

TEM DUST ANALYSIS M40543 012**Dies and Hile, LLP**
Settled Dust Samples

Client Sample ID: ASH 2 1

Sample Area/ Volume: 100 cm2
 Filter Type: MCE 47mm
 Pore size: 0.45
 Effective Filter Area: 1297
 Sample type: Dust
 Analysis type: Dust
 Grid Acceptance: YES 25 %

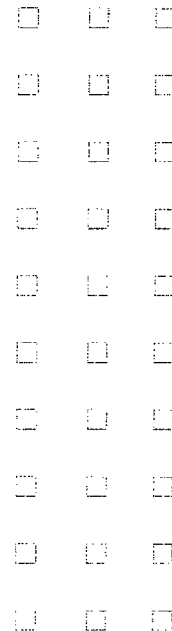
Date Analyzed: 10/13/2006
 Analyst: MAM
 Scope Number: 4
 Accelerating Voltage: 100 KV
 Indicated Mag: 25 KX
 Screen Mag: 20 KX
 Grid_box: 7192

Str < 5um: 0	Number of grids: 2	#1: 102	#3: 103	Average Grid Size: 0.010455
Str ≥ 5um: 0	Number of openings: 10	#2: 103	#4: 101	Total Area Analyzed: 0.105
Total Str: 0				
Volume Filtered 50 ml	Str / sqr ft 0.000E+00	Str / cm2 0.000E+00		
Dilution Factor 2	Str / sqr ft ≥ 5 0.000E+00	Str / cm2 ≥ 5 0.000E+00		

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
	C10-C8		NSD							
	E7		NSD							
	F4		NSD							
	H4		NSD							
	F5		NSD							
	C9-E9		NSD							
	H4		NSD							
	D10		NSD							
	D9		NSD							
	D2		NSD							

C10-C8
 E7
 F4
 H4
 F5
 C9-E9
 H4
 D10
 D9
 D2

NSD
 NSD
 NSD
 NSD
 NSD
 NSD
 NSD
 NSD
 NSD
 NSD



M40543 012

C - Chrysotile NSD - No Structure Detected
 TR - Tremolite F - Fiber
 CR - Crocidolite B - Bundle
 AN - Anthophyllite M - Matrix
 AC - Actinolite C - Cluster

Unit 3 Building

Arkansas State Hospital (ASH)

TEM DUST ANALYSIS M40543 013

Dies and Hile, LLP
Settled Dust Samples

Client Sample ID: ASH 3 1

Sample Area/ Volume: 100 cm2
Filter Type: MCE 47mm
Pore size: 0.45
Effective Filter Area: 1297
Sample type: Dust
Analysis type: Dust
Grid Acceptance: YES 25 %

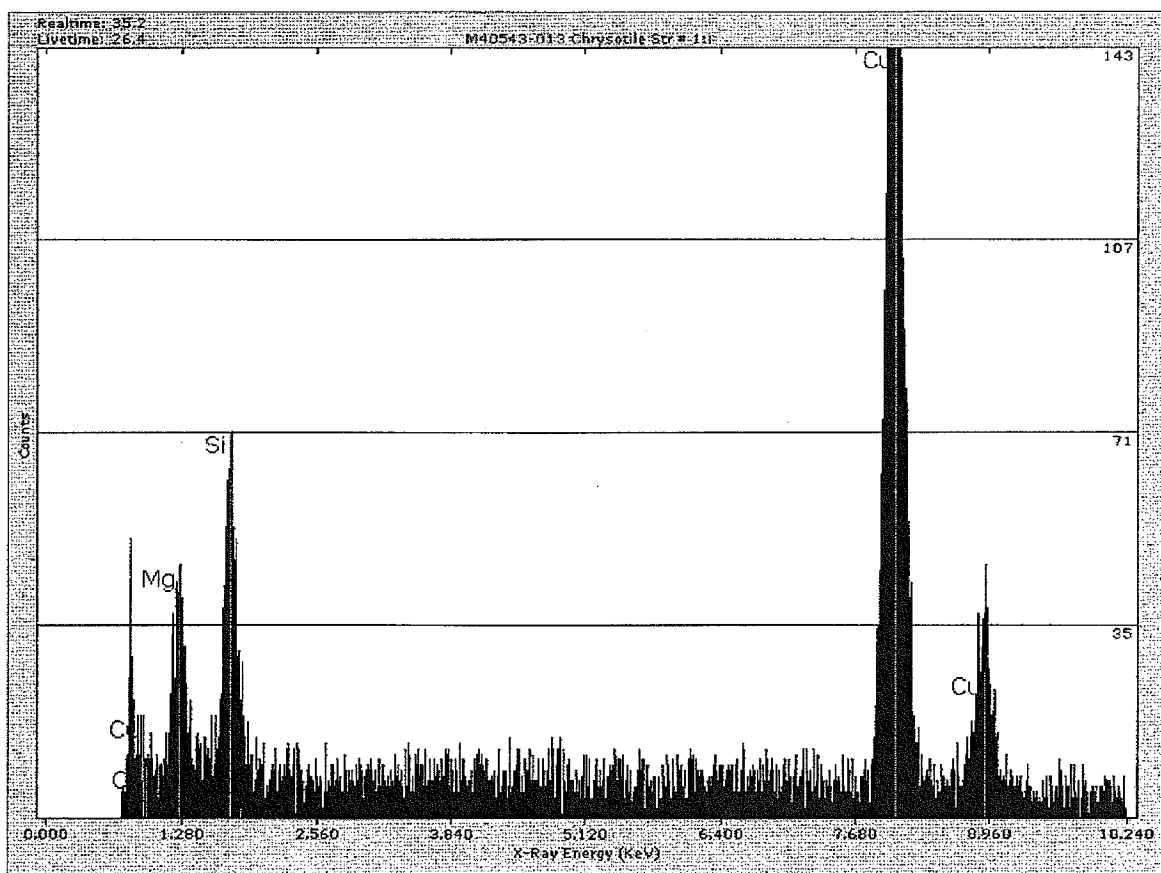
Date Analyzed: 10/13/2006
Analyst: Kevin Simpson
Scope Number: 3
Accelerating Voltage: 100 KV
Indicated Mag: 25 KX
Screen Mag: 20 KX
Grid_box: 7192

Str < 5um:	1	Number of grids:	2	#1: 103	#3: 101	Average Grid Size:	0.010302
Str ≥ 5um:	0	Number of openings:	10	#2: 101	#4: 101	Total Area Analyzed:	0.103
Total Str:	1						
Volume Filtered	50 ml	Str / sqr ft	2.339E+05	Str / cm2	2.518E+02		
Dilution Factor	2	Str / sqr ft ≥ 5	0.000E+00	Str / cm2 ≥ 5	0.000E+00		

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
	B10-E9		NSD						<input type="checkbox"/>	<input type="checkbox"/>
	F7		NSD						<input type="checkbox"/>	<input type="checkbox"/>
	D3		NSD						<input type="checkbox"/>	<input type="checkbox"/>
	H5		NSD						<input type="checkbox"/>	<input type="checkbox"/>
I	E6	C	F	1.00	0.10	X	M36344	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	B9-B4		NSD						<input type="checkbox"/>	<input type="checkbox"/>
	H5		NSD						<input type="checkbox"/>	<input type="checkbox"/>
	C2		NSD						<input type="checkbox"/>	<input type="checkbox"/>
	F1		NSD						<input type="checkbox"/>	<input type="checkbox"/>
	E10		NSD						<input type="checkbox"/>	<input type="checkbox"/>

M40543 013

C - Chrysotile NSD - No Structure Detected
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AN - Anthophyllite M - Matrix
AC - Actinolite C - Cluster



Vocational/Maintenance Shop Building

Arkansas State Hospital (ASH)

TEM DUST ANALYSIS**M40543 001****Dies and Hile, LLP**
Settled Dust Samples

Client Sample ID: ASHVocMaint

Sample Area/ Volume: 100 cm2

Filter Type: MCE 47mm

Pore size: 0.45

Effective Filter Area: 1297

Sample type: Dust

Analysis type: Dust

Grid Acceptance YES 2 %

Date Analyzed: 10/3/2006

Analyst: MAM

Scope Number: 4

Accelerating Voltage: 100 KV

Indicated Mag: 25 KX

Screen Mag: 20 KX

Grid_box: 7184, 7169, 7181, 7185

Str < Sum:	77	Number of grids:	2	#1: 100	#3: 100	Average Grid Size:	0.010000
Str ≥ Sum:	23	Number of openings:	6	#2: 100	#4: 100	Total Area Analyzed:	0.060
Total Str:	100						
Volume Filtered	0.1 ml	Str / sq ft	2.008E+10	Str / cm2	2.162E+07		
Dilution Factor	1000	Str / sq ft ≥5	4.619E+09	Str / cm2 ≥5	4.972E+06		

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
1	EJ0-A2	C	F	1.70	0.10	X	X	✓		
2		C	F	1.80	0.20	X	X	✓		
3		C	F	4.00	0.10	X	X	✓		
4		C	F	8.00	0.10	X	X	✓		
5		C	F	8.00	0.05	X	X	✓		
6		C	F	7.00	0.10	X	X	✓		
7		C	C-F	3.00	0.20	X	X	✓		
8		C	F	9.00	0.10	X	X	✓		
9		C	F	4.00	0.10	X	X			
10		C	F	2.30	0.10	X	X	✓		
11		C	C-F	1.00	0.10	X				
12		C	M-F	2.50	0.10	X				
13	F1	C	F	3.00	0.20	X				

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Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
14		C	M-F	4.00	0.05	X				
15		C	F	1.30	0.10	X				
16		C	C-F	3.50	0.05	X				
17		C	M-F	2.00	0.10	X				
18		C	F	3.70	0.10	X				
19		C	F	4.00	0.10	X				
20		C	F	2.80	0.10	X	X	<input checked="" type="checkbox"/>		
21		C	F	24.00	0.10	X				
22		C	M-F	0.90	0.10	X				
23		C	M-F	3.80	0.10	X				
24		C	M-F	2.50	0.10	X				
25		C	M-F	2.50	0.10	X				
26	GS	C	M-F	1.00	0.10	X				
27		C	F	0.80	0.05	X				
28		C	F	2.20	0.05	X				
29		C	F	4.00	0.10	X				
30		C	F	1.70	0.10	X	X	<input checked="" type="checkbox"/>		
31		C	F	2.00	0.20	X				
32		C	F	1.50	0.10	X				
33		C	F	9.00	0.10	X				
34		C	F	2.00	0.05	X				
35		C	F	7.60	0.05	X				

C - Chrysotile
 TR - Tremolite
 CR - Crocidolite
 AN - Anthophyllite
 AC - Actinolite
 NSD - No Structure Detected
 F - Fiber
 B - Bundle
 M - Matrix
 C - Cluster

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
36		C	F	1.60	0.10	X				
37		C	F	1.40	0.05	X				
38		C	M-B	2.00	0.20	X				
39		C	F	7.00	0.20	X				
40		C	F	0.90	0.10	X	X			
41		C	F	3.00	0.10	X				
42	E4	C	C-B	8.00	0.70	X				
43		C	F	3.80	0.10	X				
44		C	F	0.70	0.10	X				
45		C	F	7.00	0.10	X				
46		C	F	2.30	0.05	X				
47		C	F	2.00	0.10	X				
48		C	M-F	2.00	0.10	X				
49		C	F	6.60	0.10	X				
50		C	B	6.00	0.50	X	X			
51		C	M-F	1.00	0.05	X				
52		C	F	1.00	0.05	X				
53		C	F	2.00	0.10	X				
54		C	F	0.60	0.10	X				
55		C	F	1.70	0.10	X				
56		C	F	2.40	0.05	X				
57	E9-H3	C	F	10.00	0.05	X				

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Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
58		C	F	12.50	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
59		C	F	2.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60		C	F	8.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
61		C	F	8.00	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
62		C	M-F	19.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
63		C	F	1.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
64		C	F	6.70	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
65		C	M-F	1.70	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
66		C	F	6.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
67		C	M-F	6.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
68		C	F	3.70	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
69		C	F	3.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
70		C	M-F	1.30	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
71		C	F	27.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
72		C	B	1.30	0.20	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
73	F1	C	B	2.40	0.40	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
74		C	F	3.60	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
75		C	F	4.20	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
76		C	F	5.30	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
77		C	F	1.00	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
78		C	M-F	1.80	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
79		C	F	1.30	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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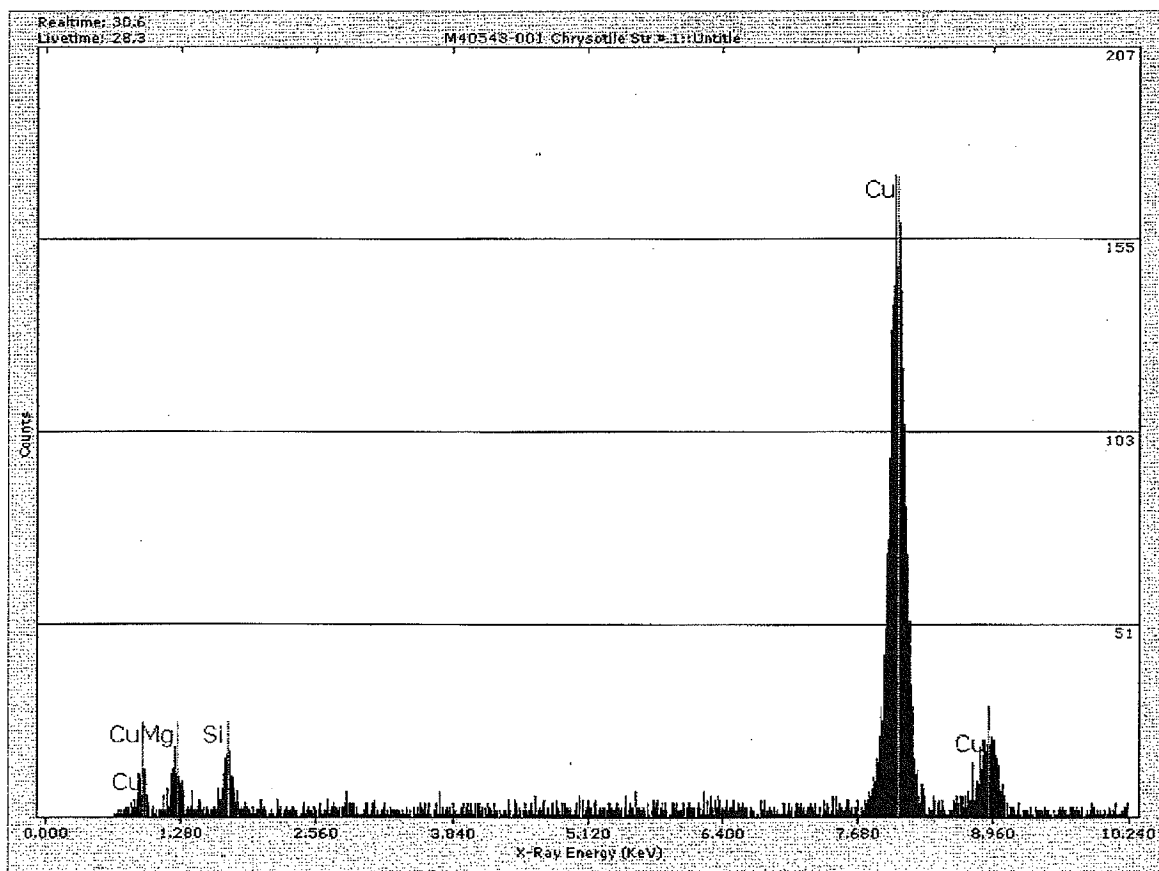
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80		C	M-F	1.80	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
81		C	F	3.00	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
82		C	F	0.70	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
83		C	F	0.60	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
84		C	F	1.30	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
85		C	F	3.40	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
86		C	M-F	1.70	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
87		C	F	0.90	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
88		C	F	1.30	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
89		C	F	0.70	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90		C	F	13.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
91		C	F	1.30	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
92		C	F	3.60	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
93		C	F	4.60	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
94		C	M-F	1.40	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
95		C	F	1.80	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
96		C	F	1.70	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
97		C	M-F	2.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
98		C	F	1.70	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
99		C	F	0.90	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
100		C	F	1.60	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

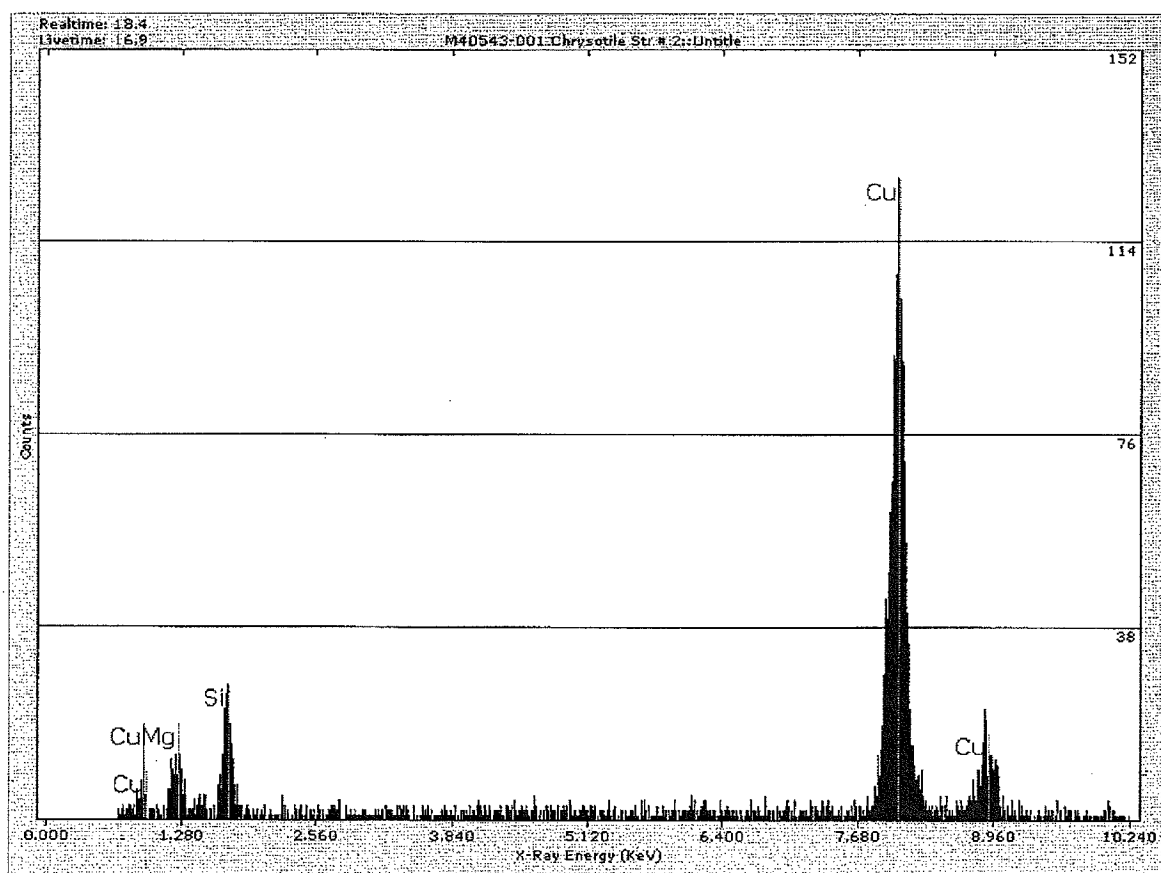
C - Chrysotile NSD - No Structure Detected
 TR - Tremolite F - Fiber
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 AN - Anthophyllite M - Matrix
 AC - Actinolite C - Cluster

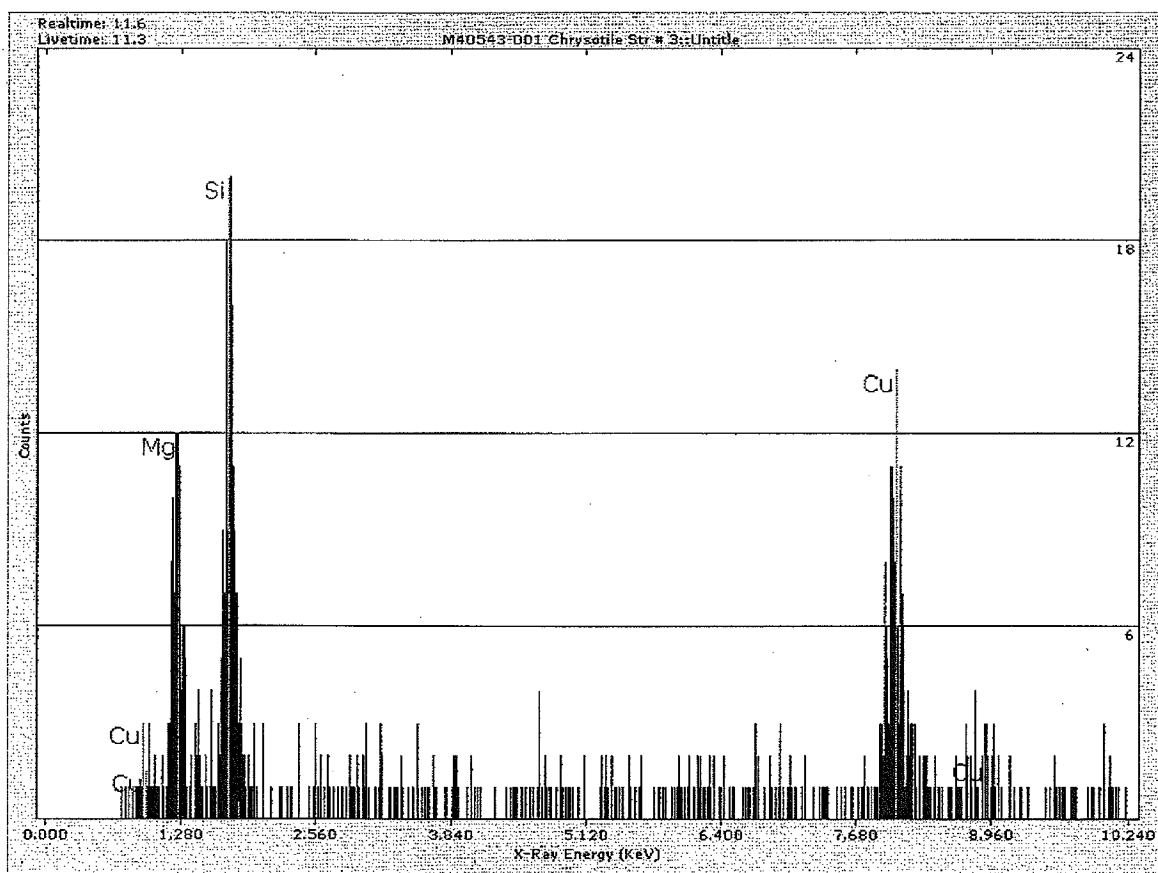
Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
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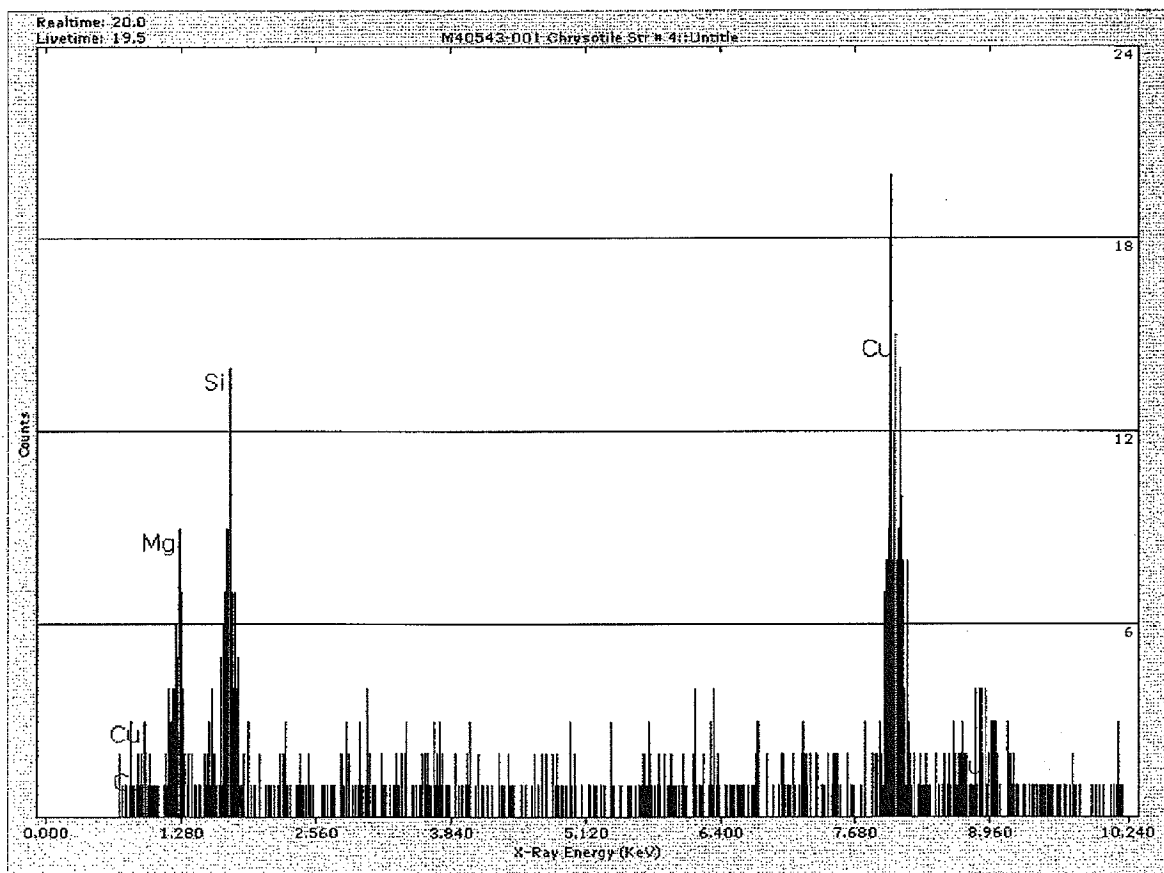
M40543 001

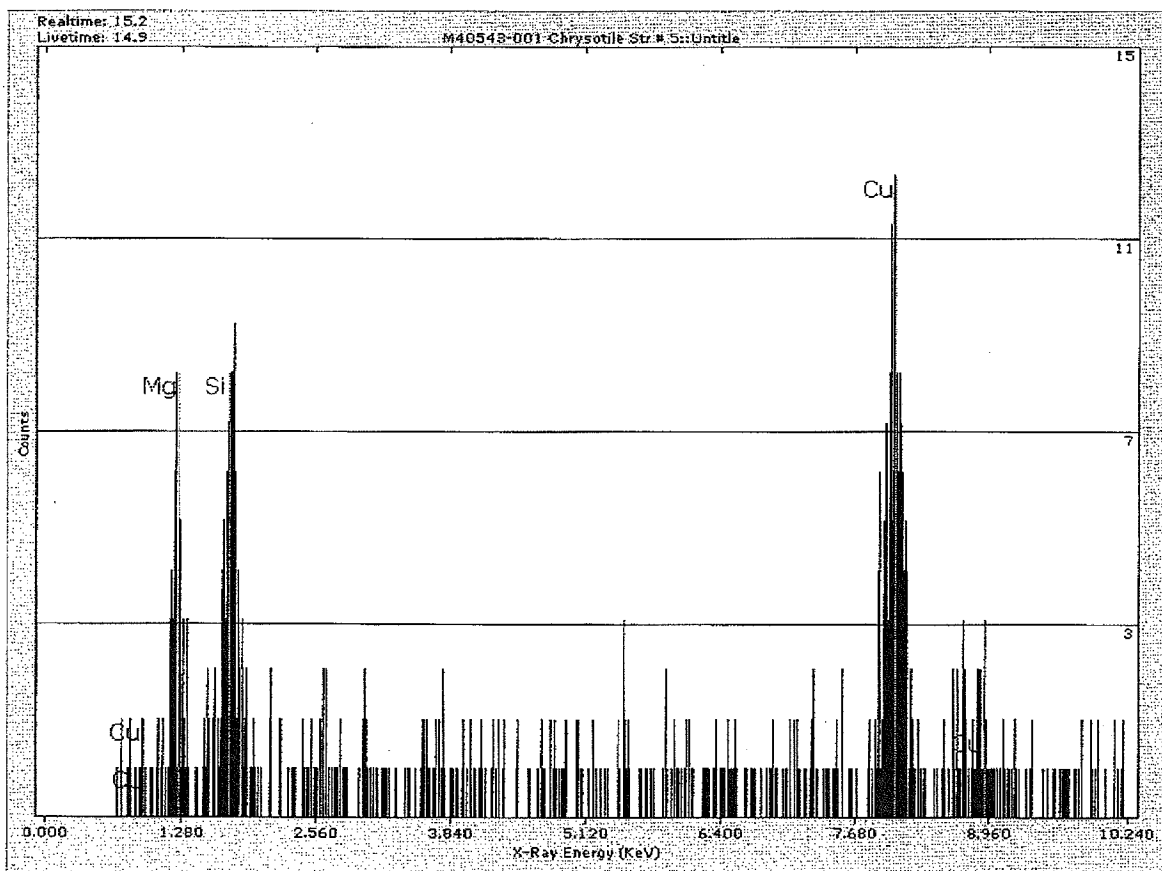
C - Chrysotile	NSD - No Structure Detected
TR - Tremolite	F - Fiber
CR - Crocidolite	B - Bundle
AN - Anthophyllite	M - Matrix
AC - Actinolite	C - Cluster

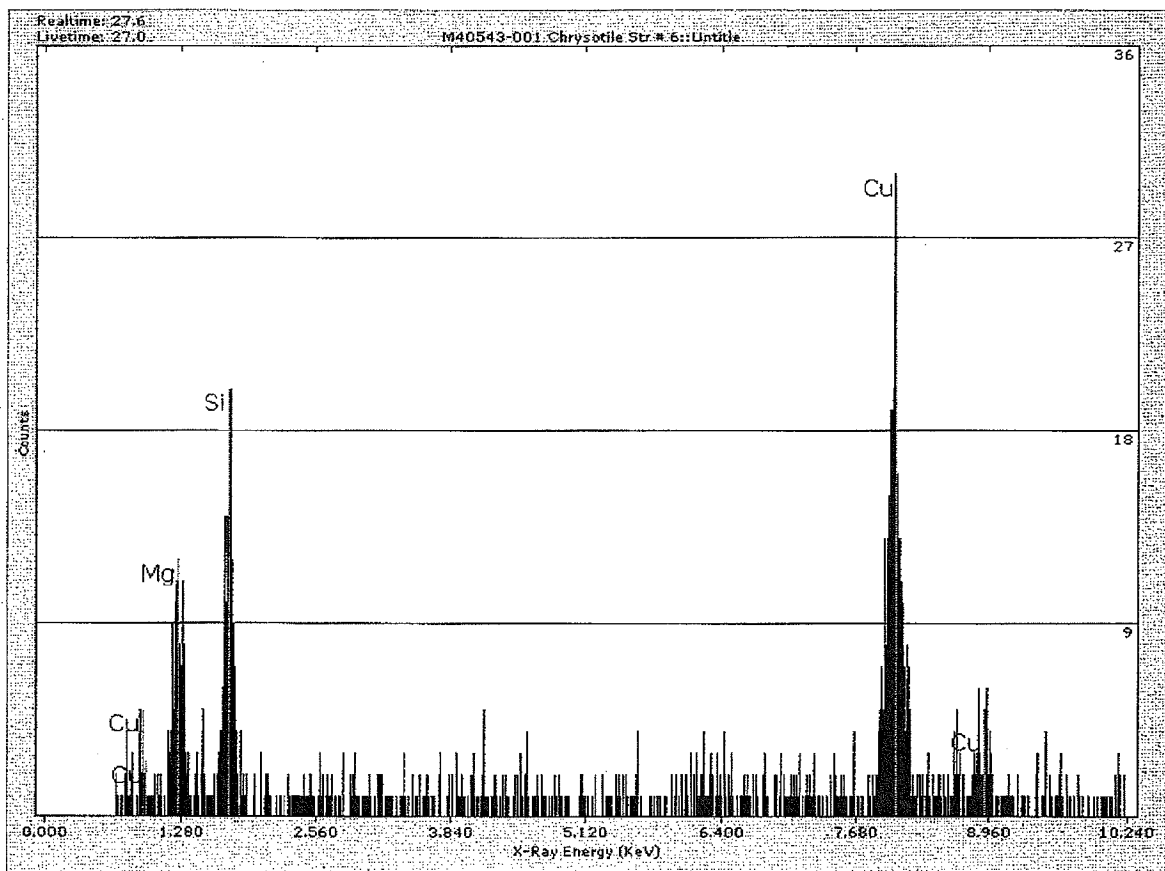


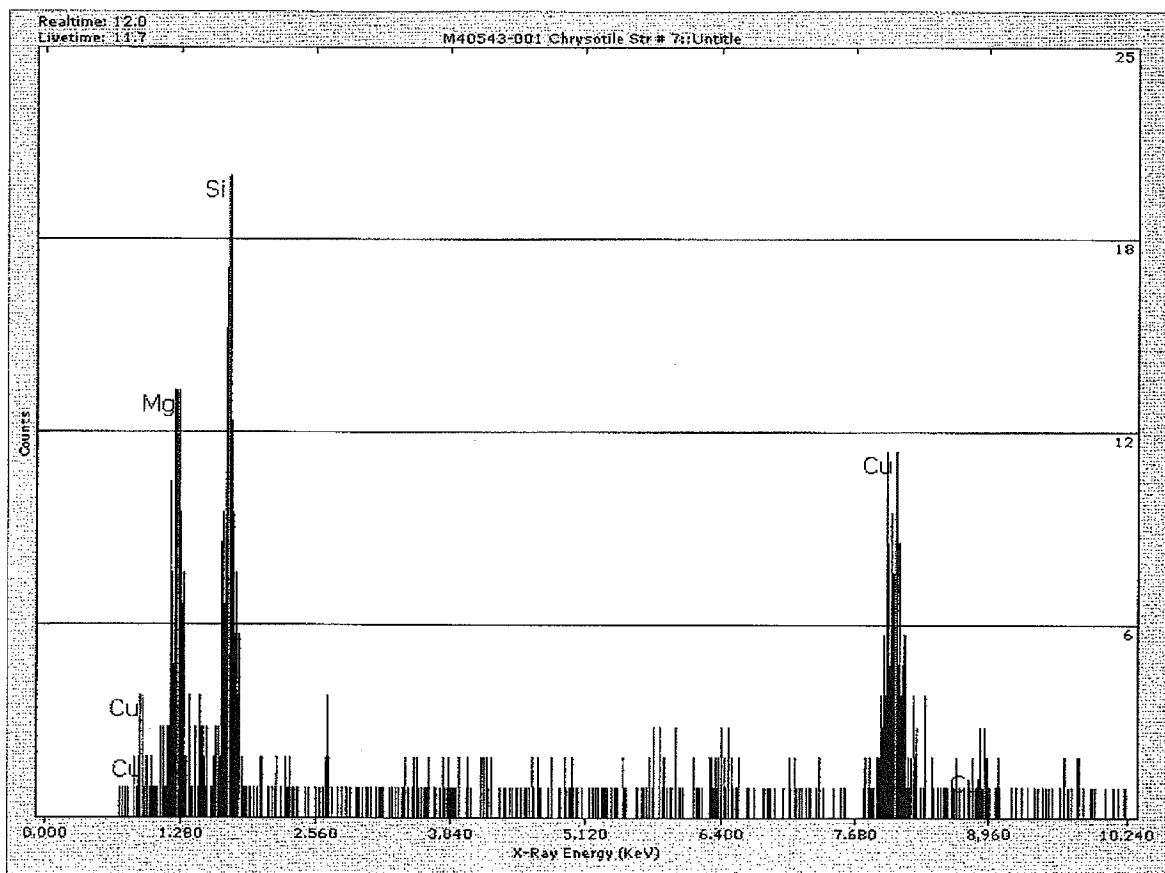


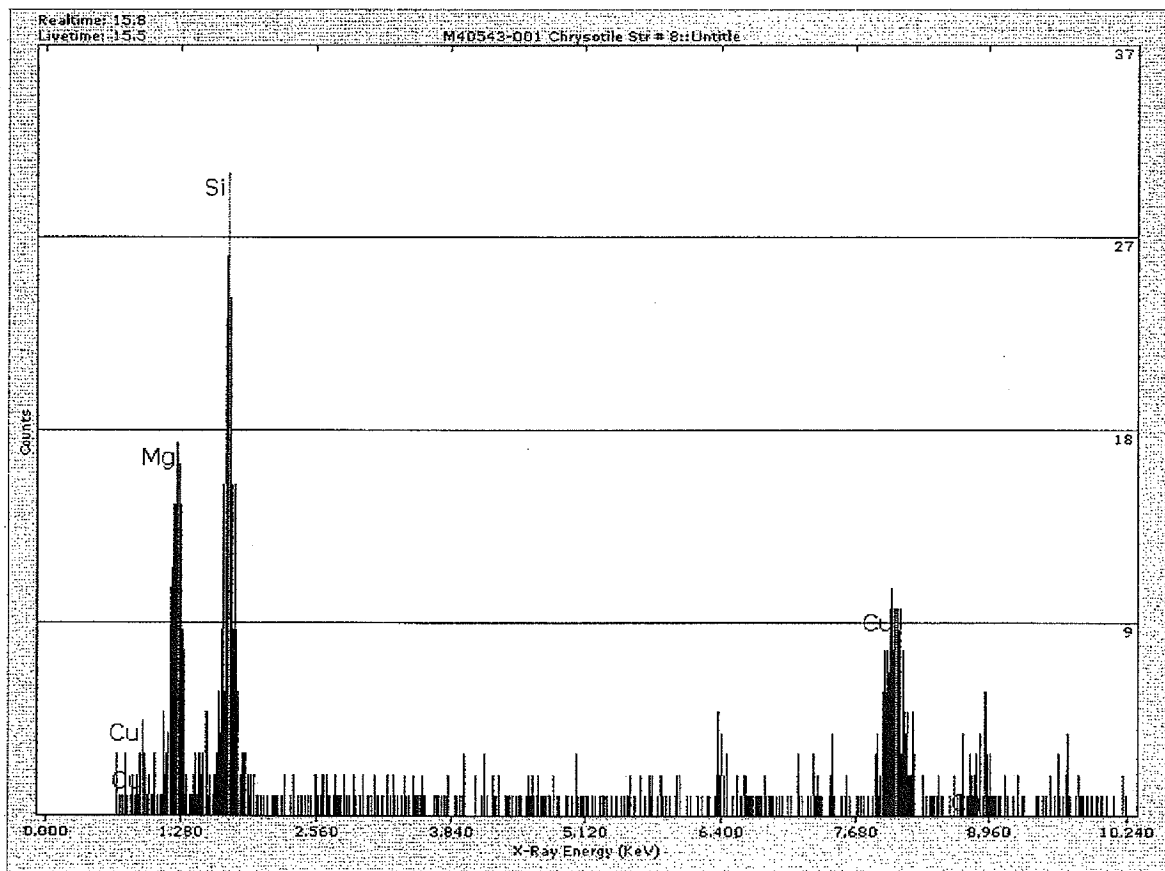


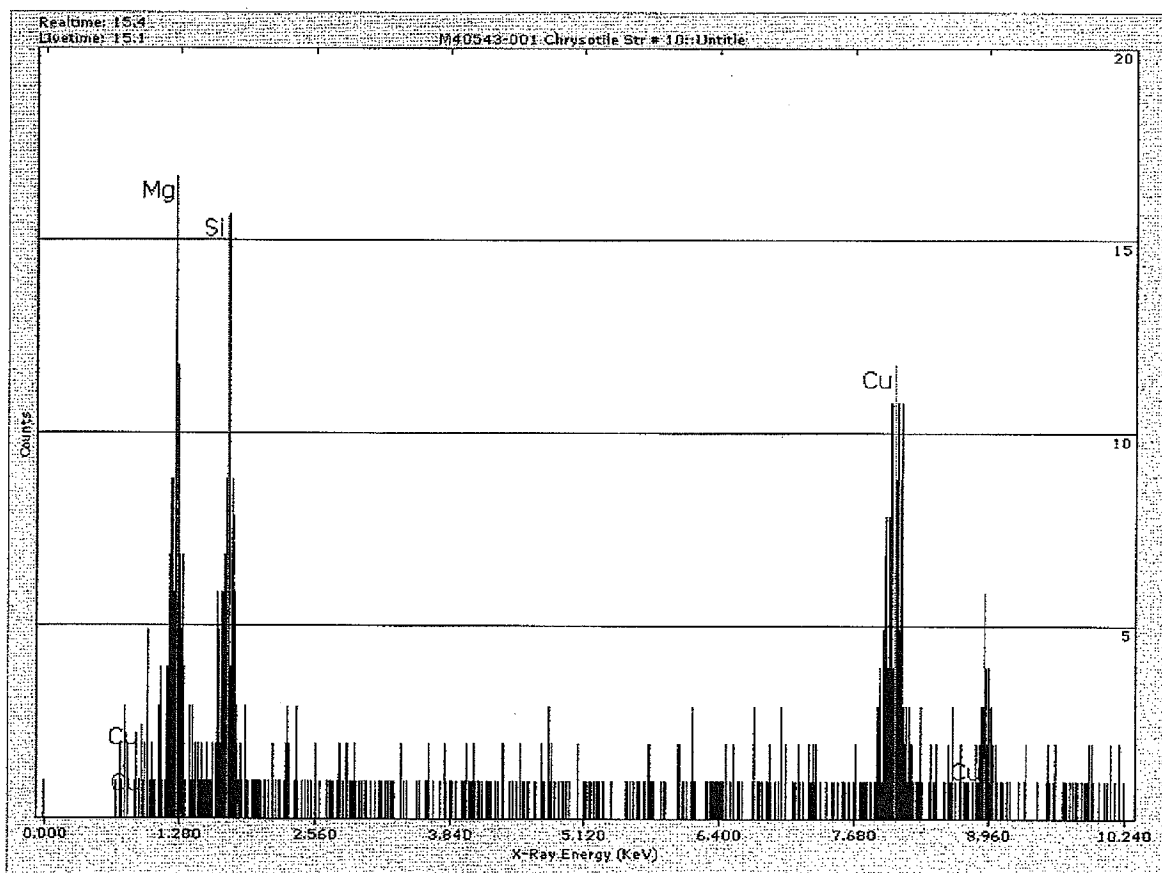


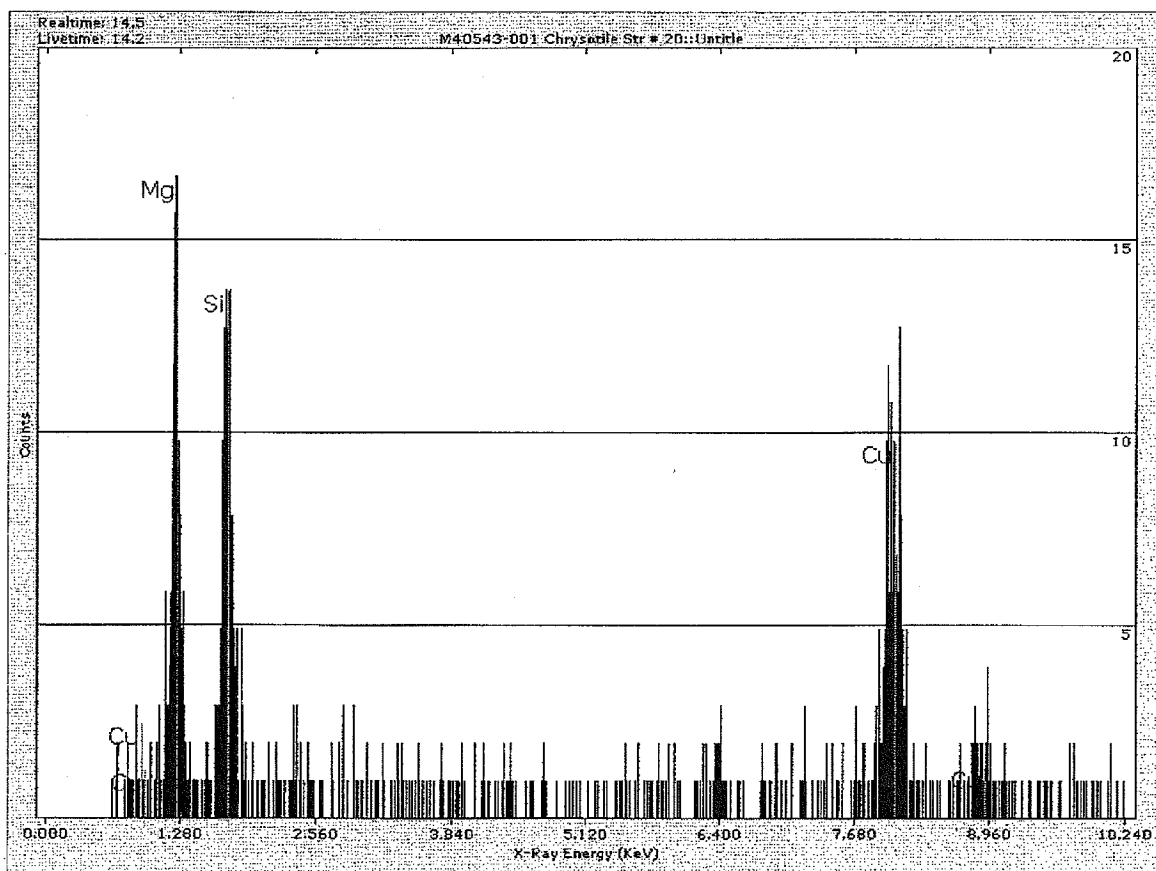


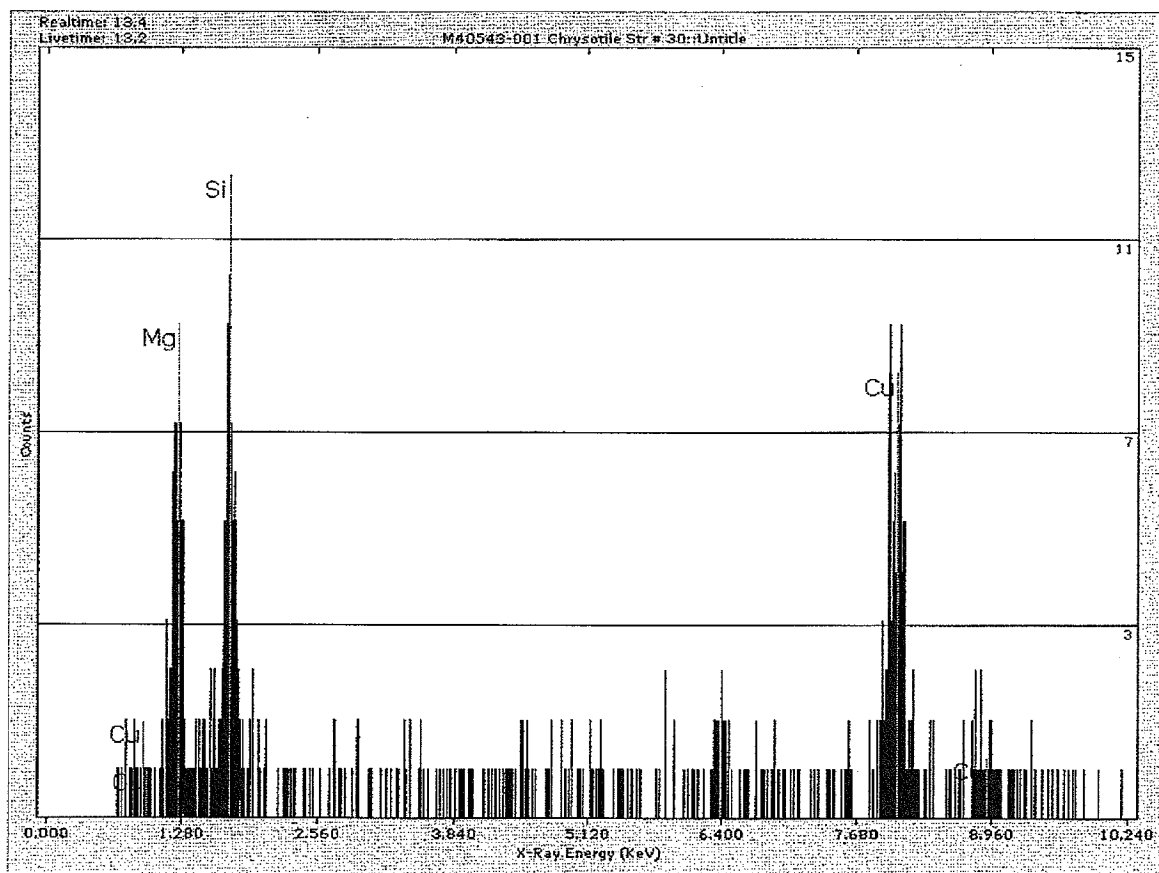


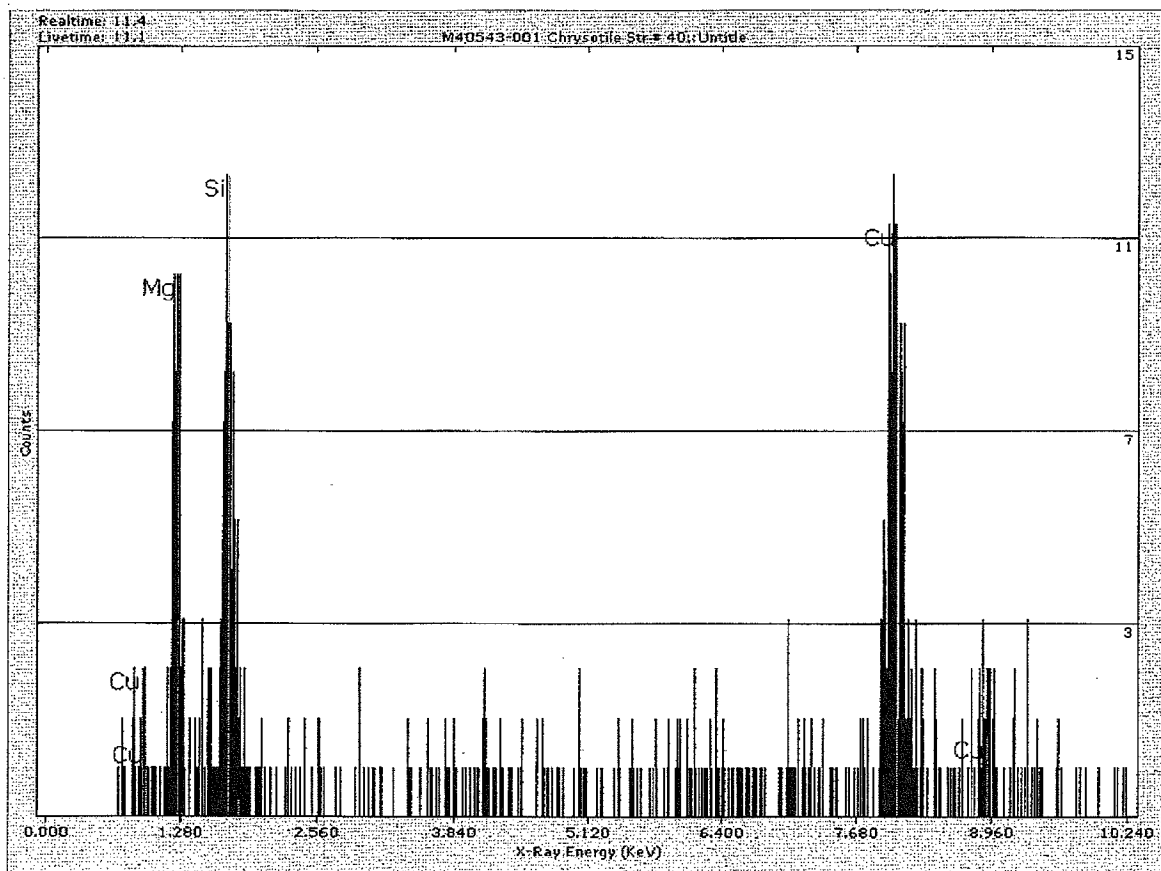


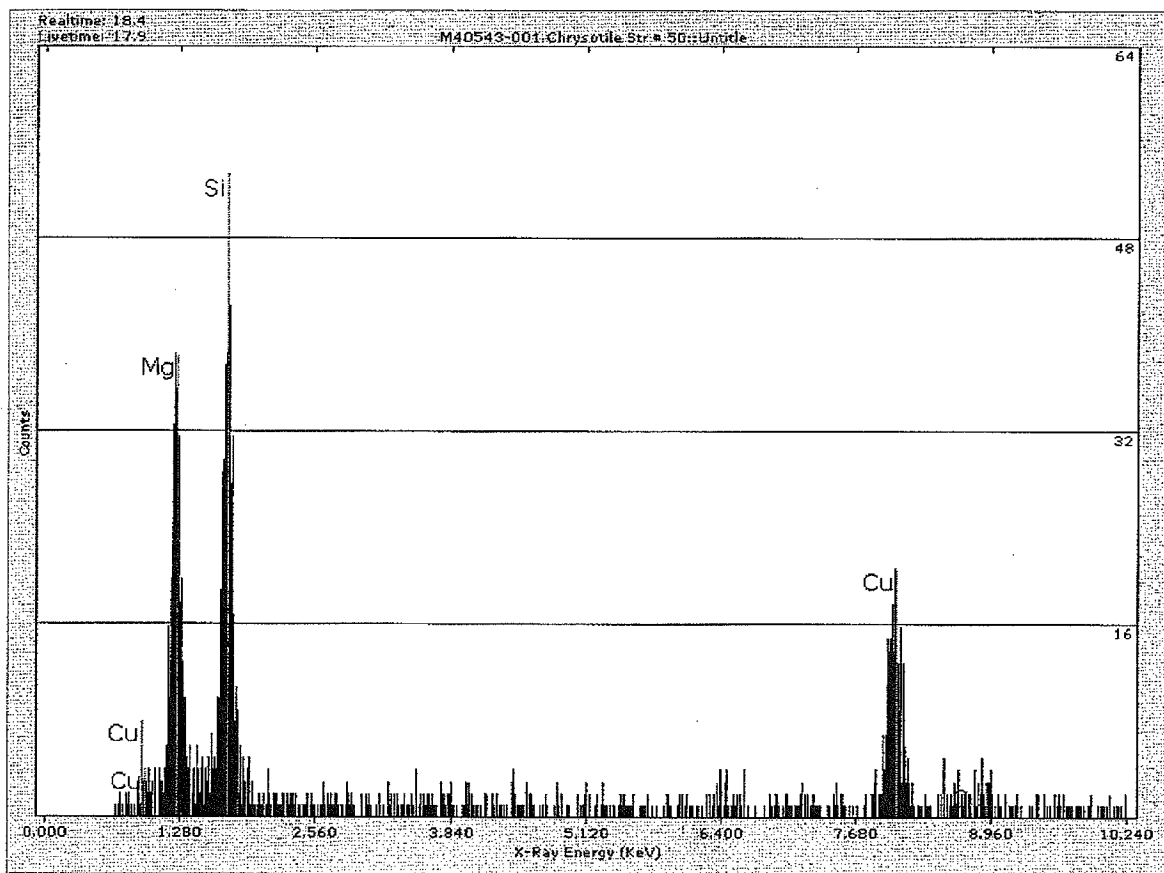


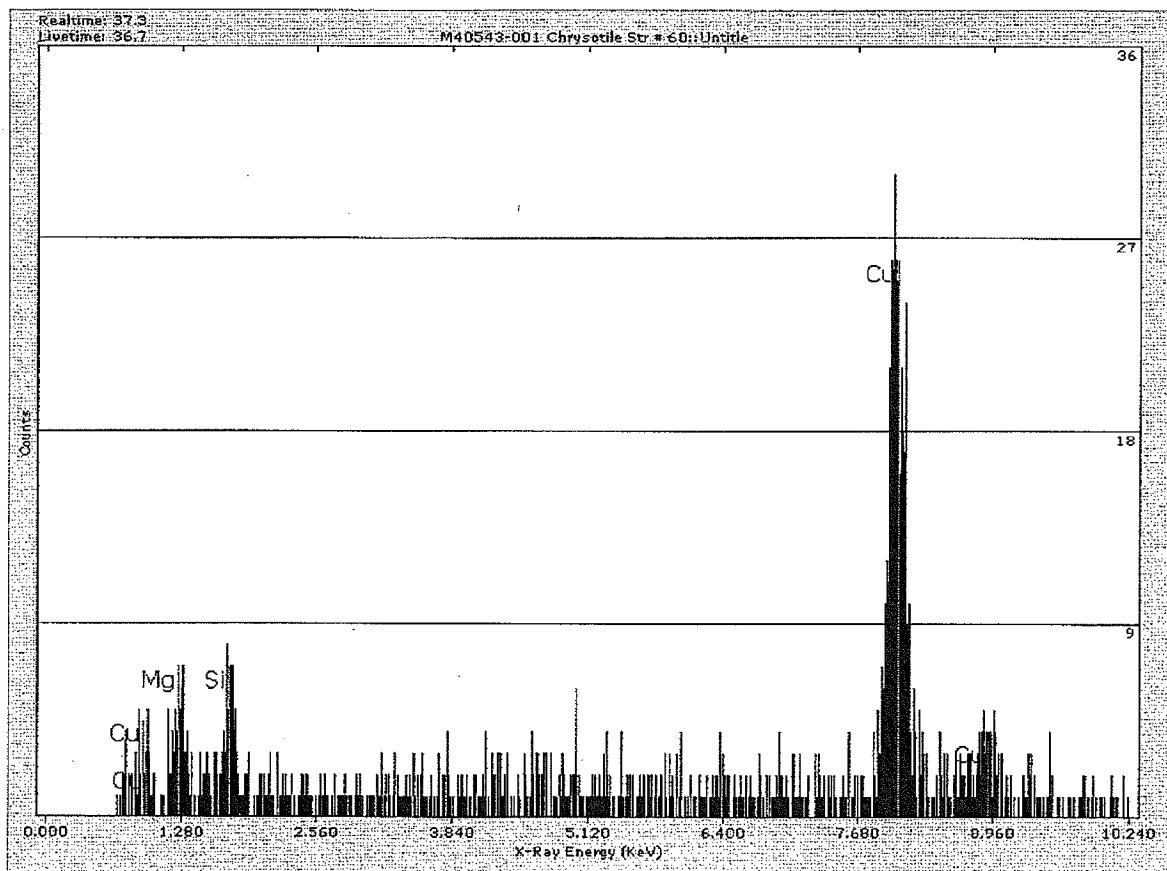


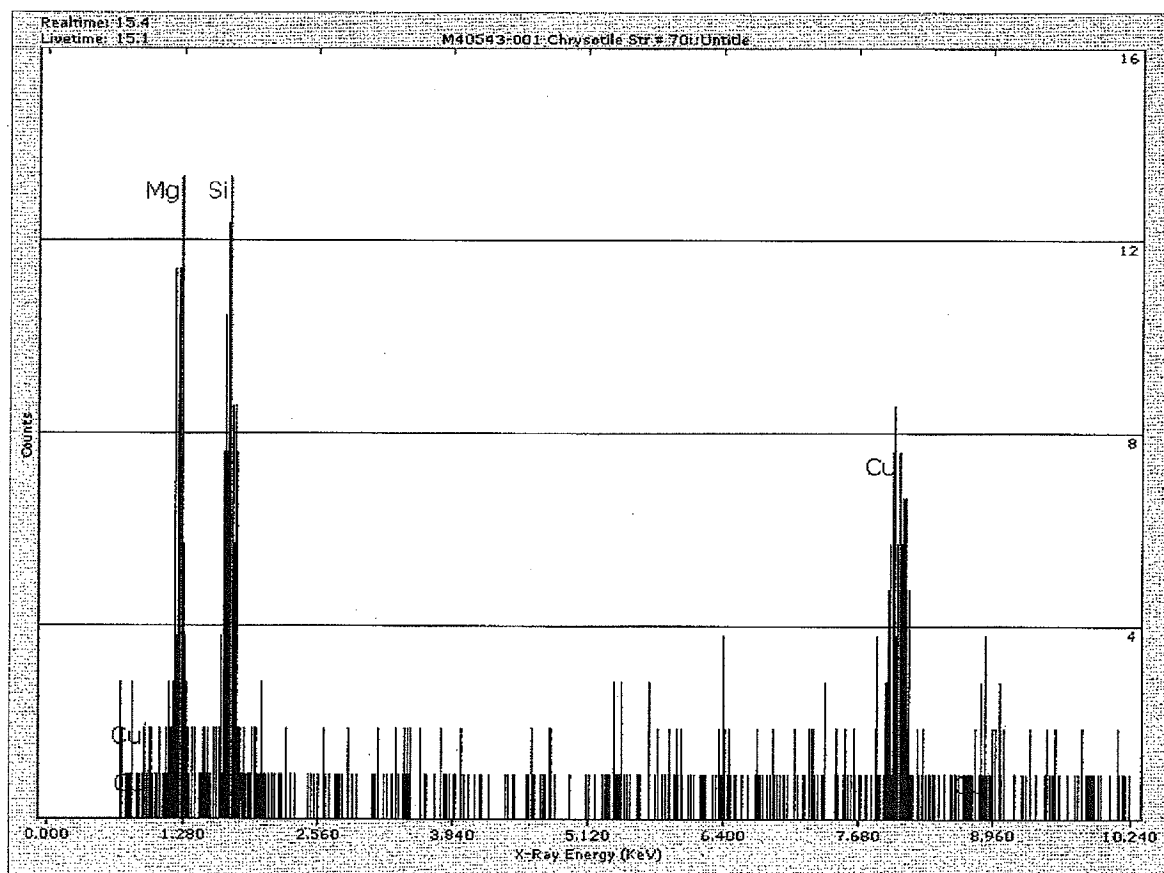


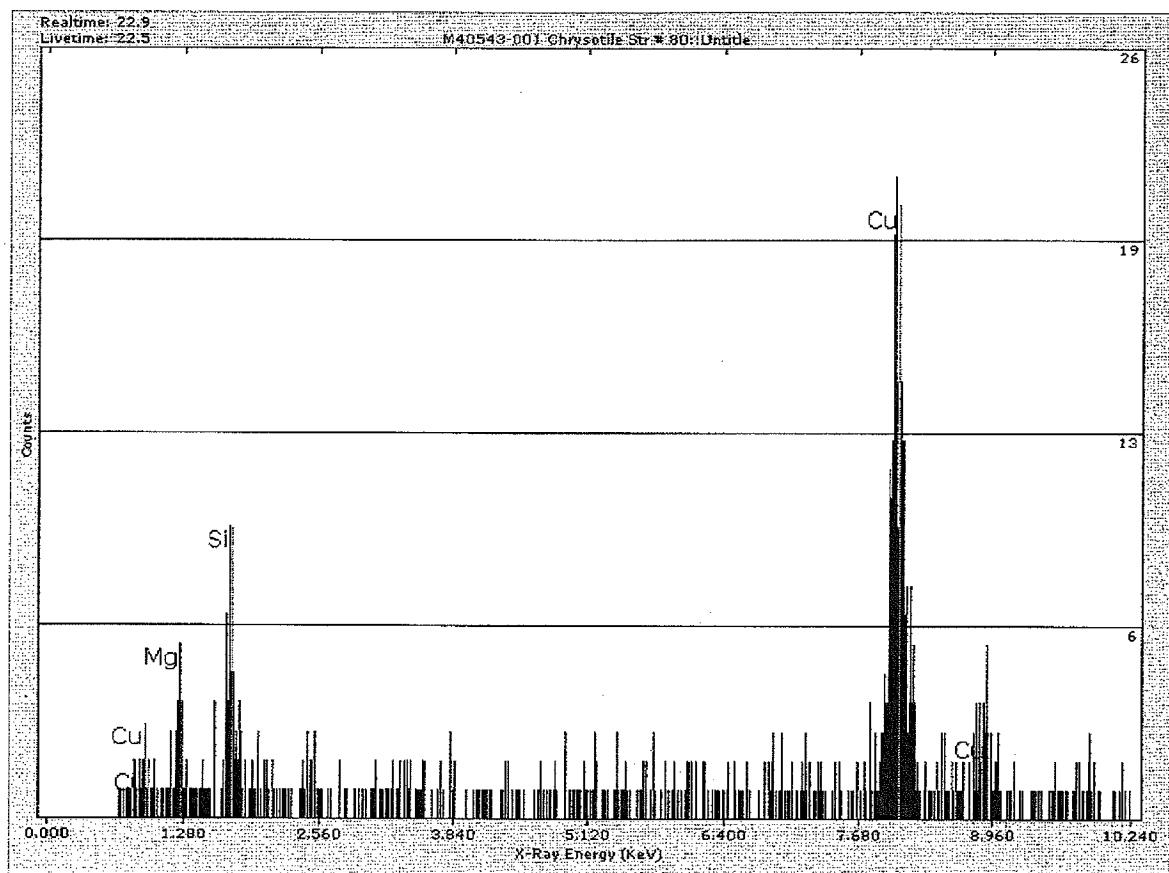


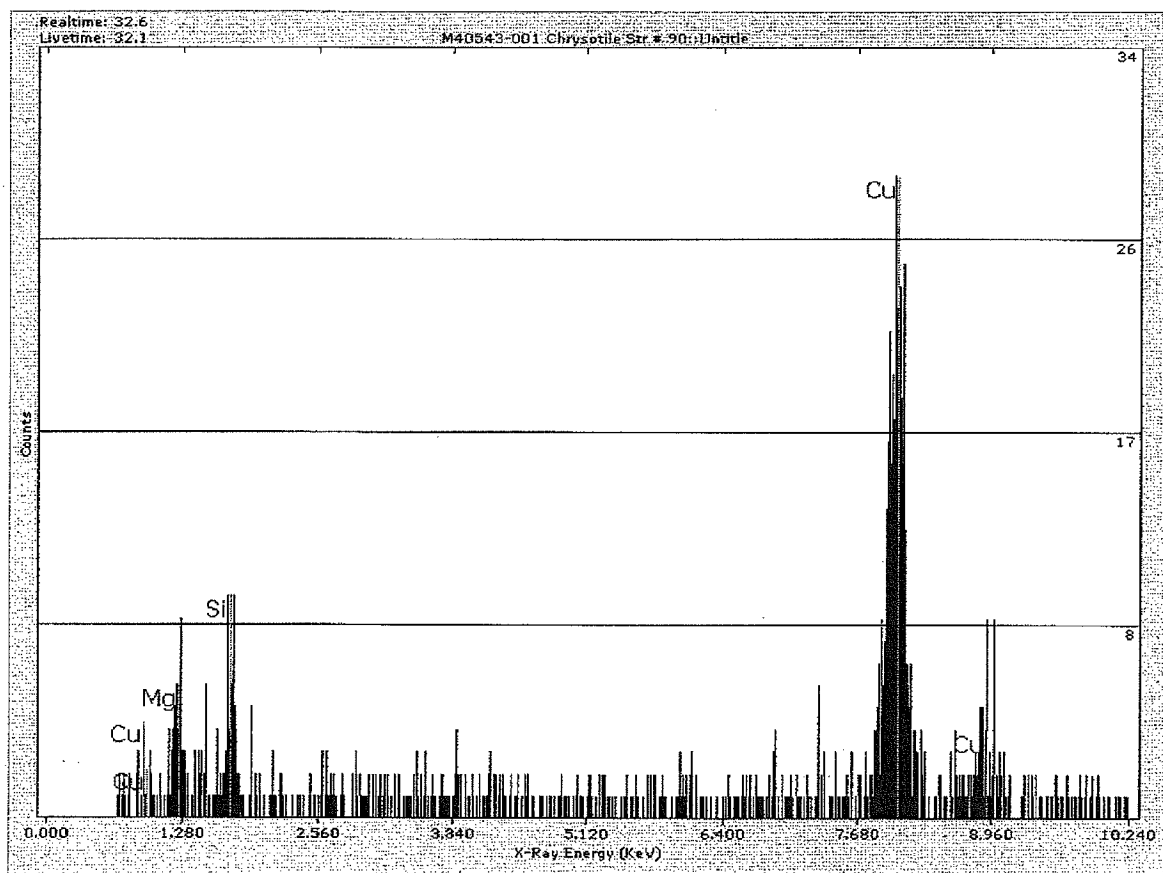


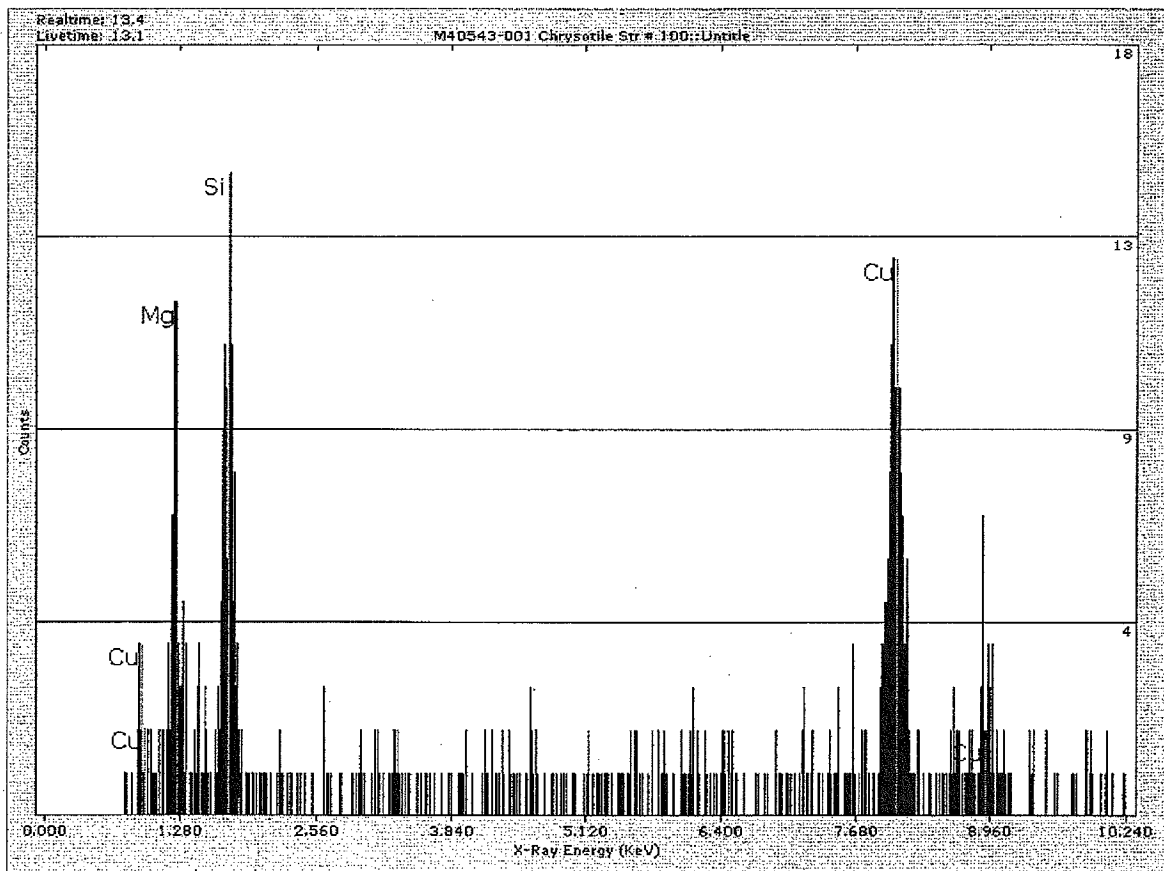


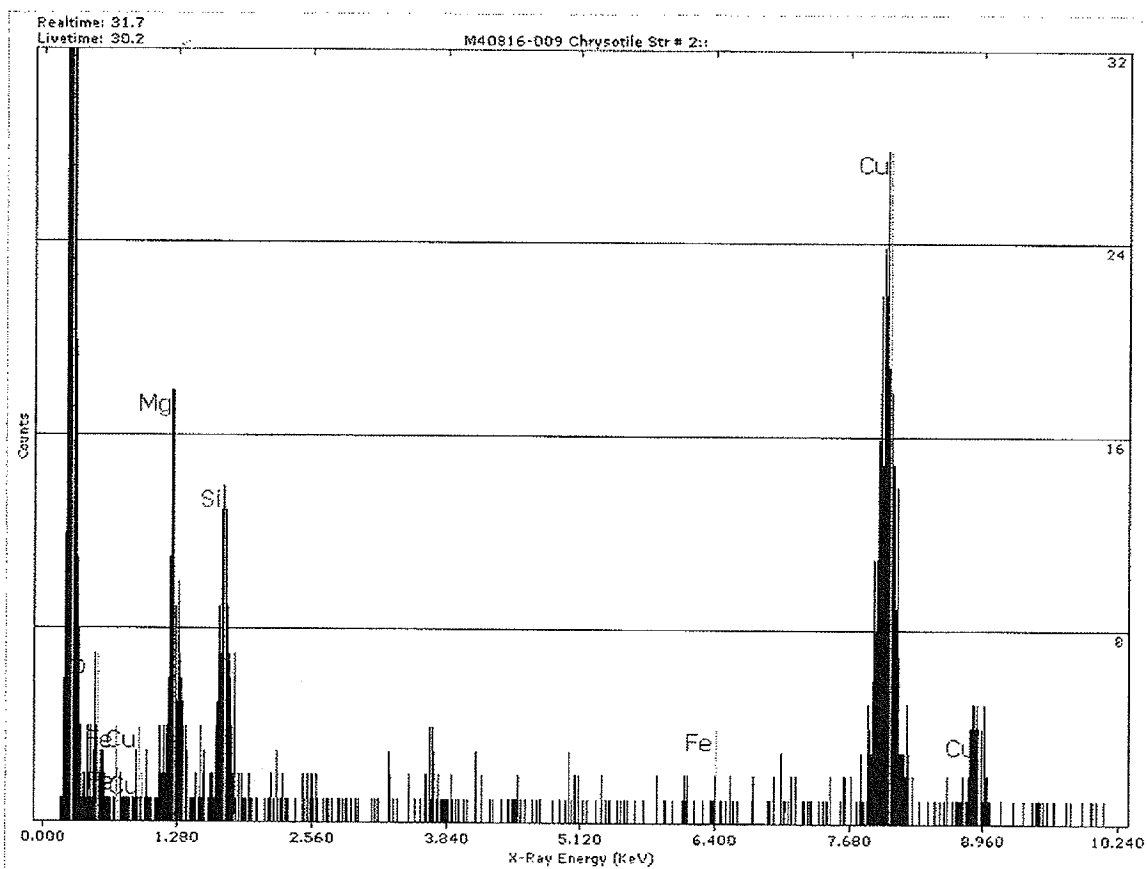


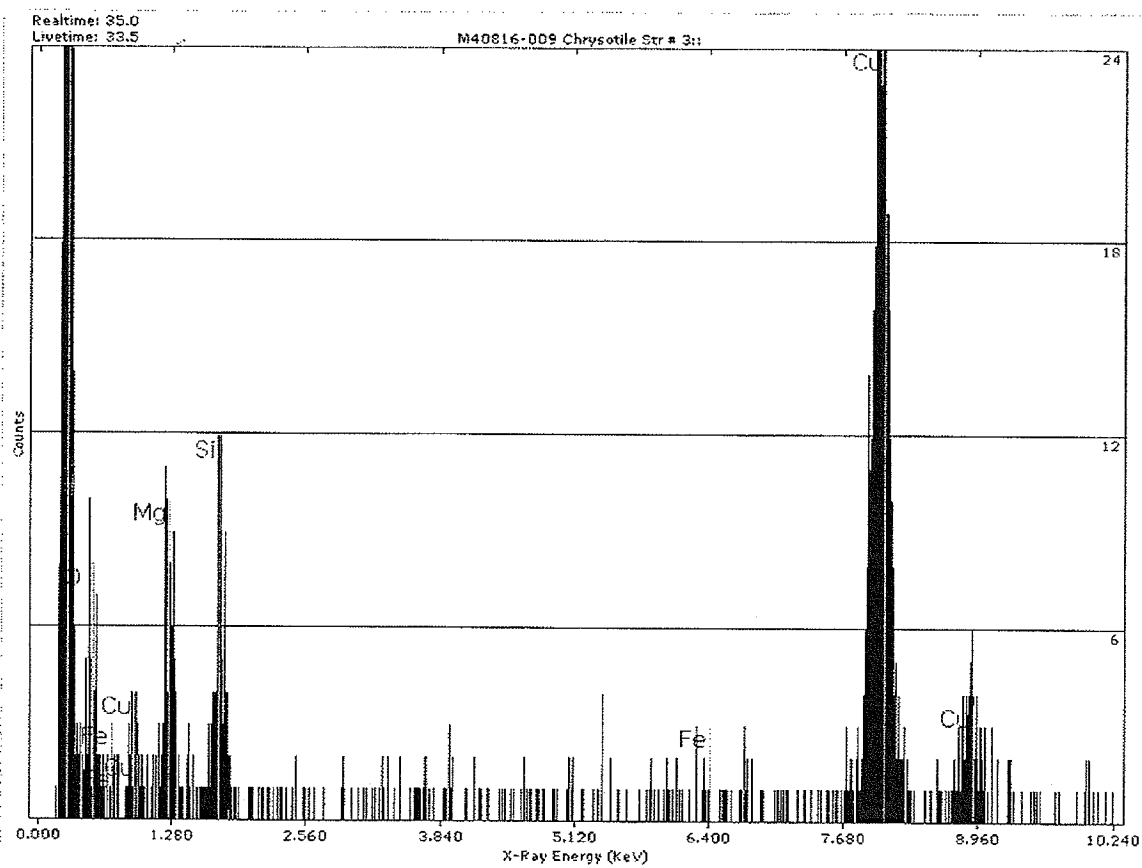


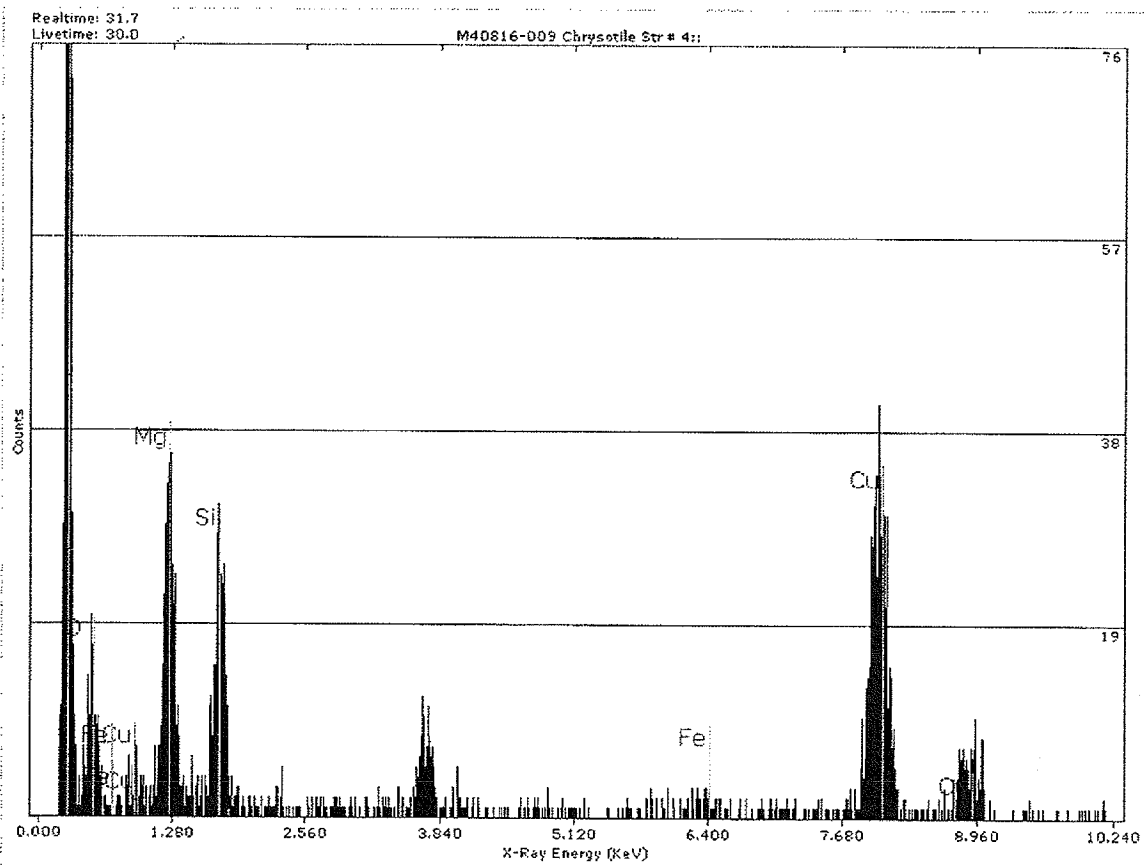


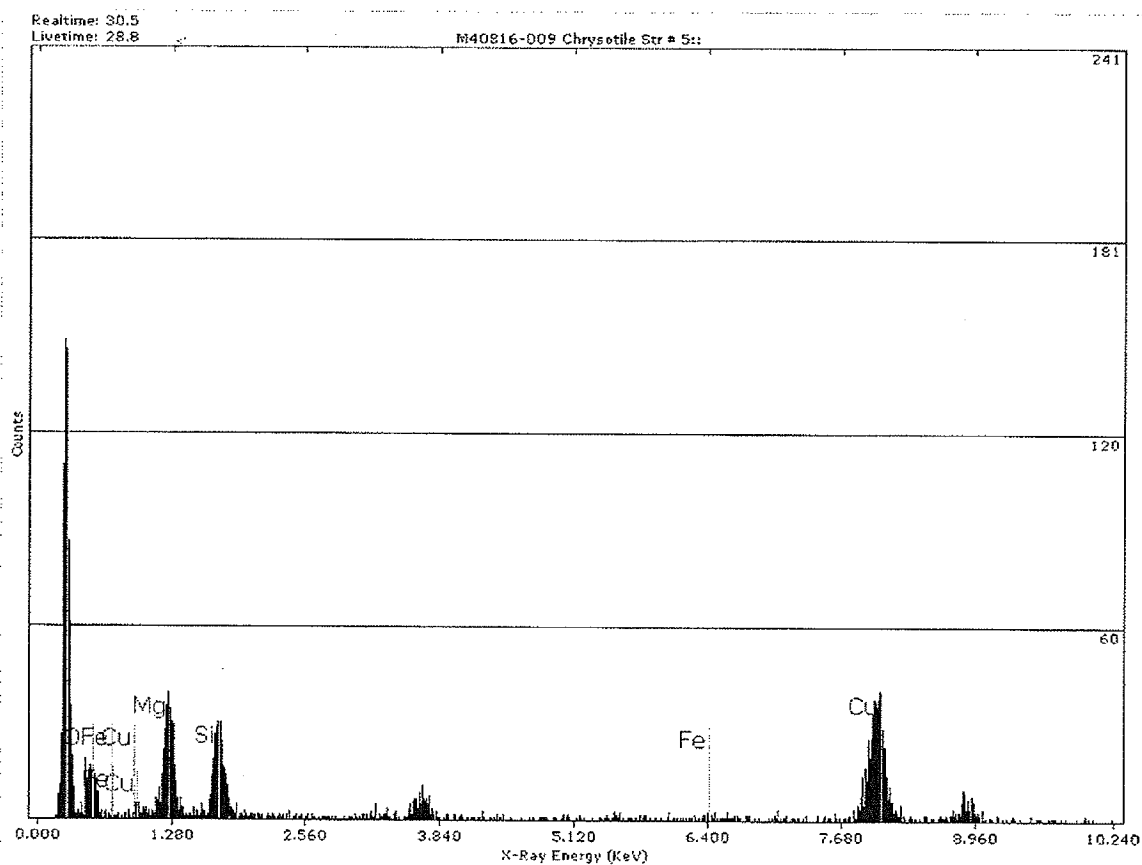


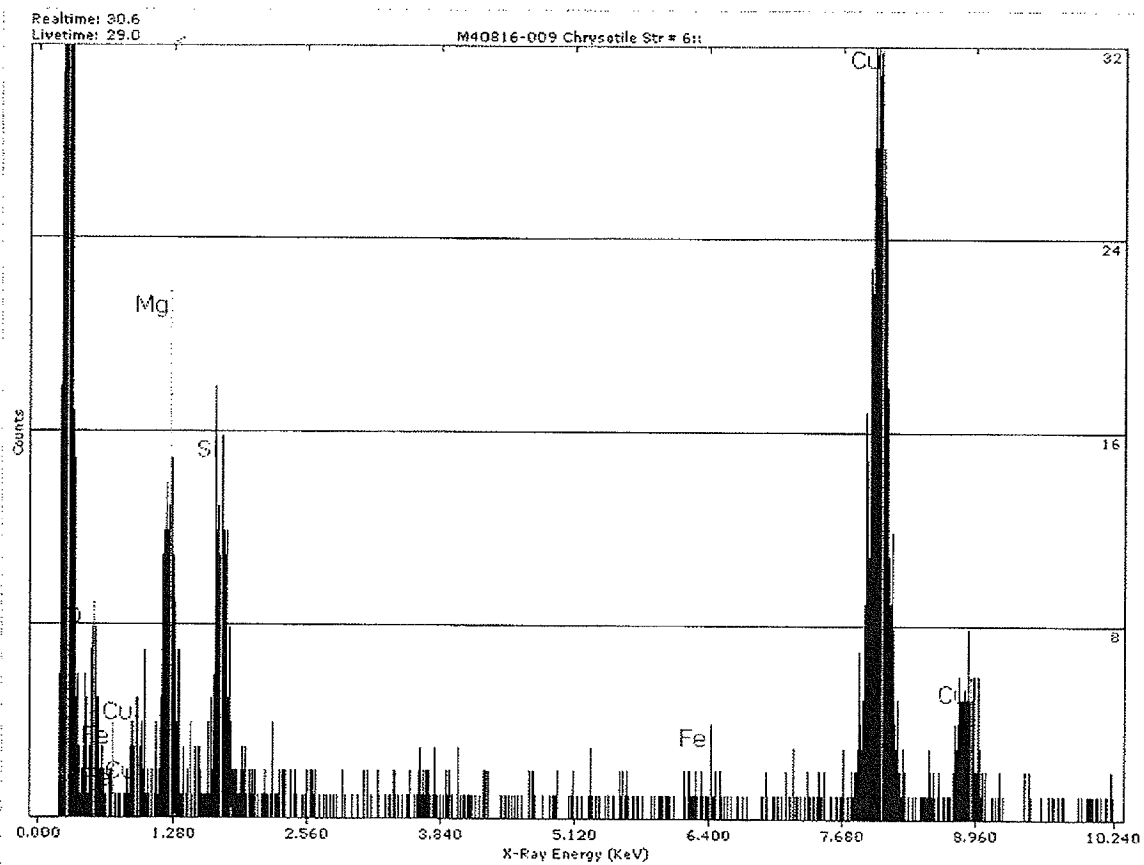


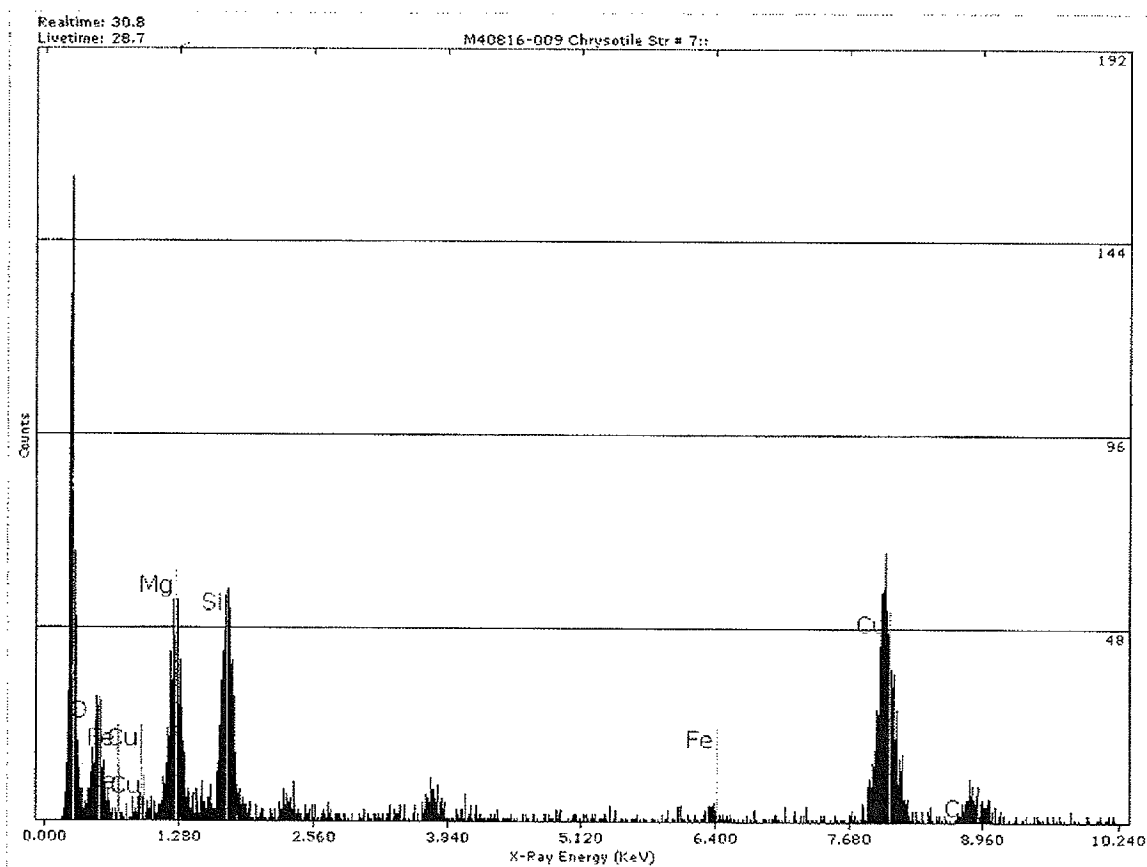


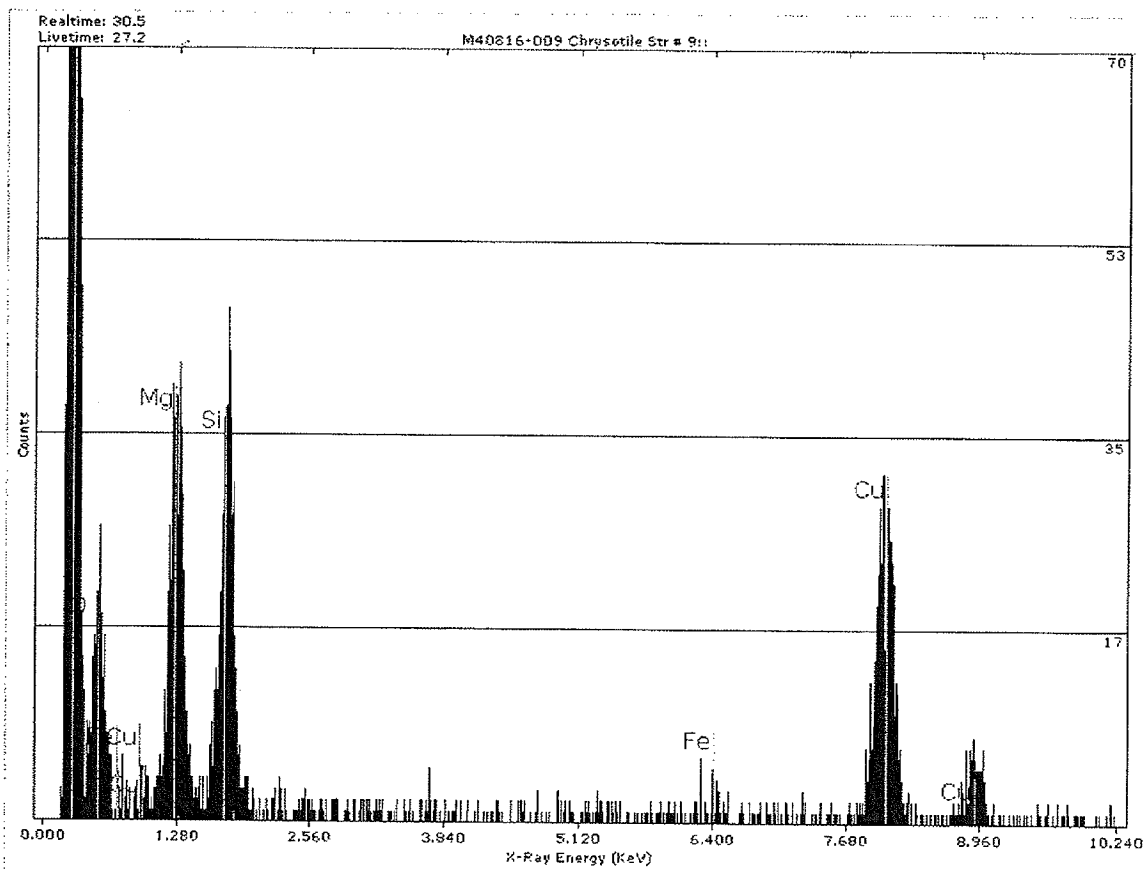


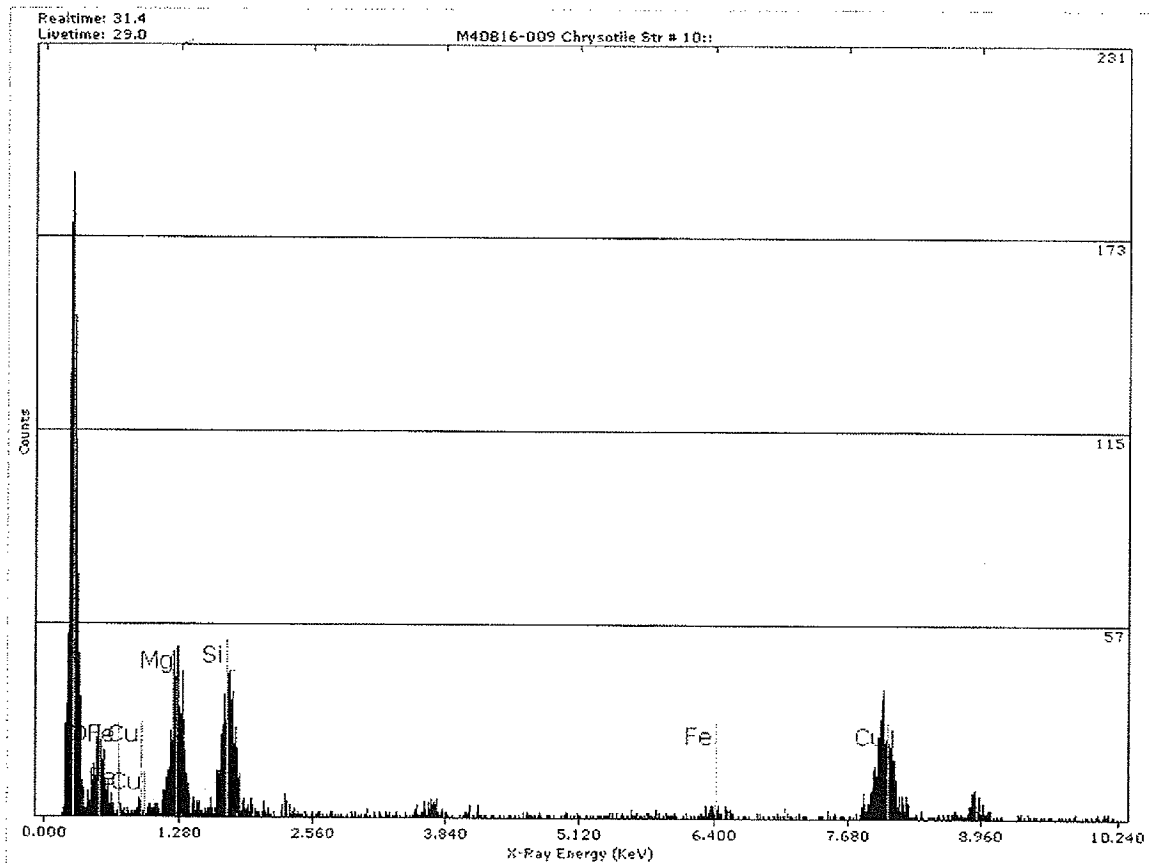


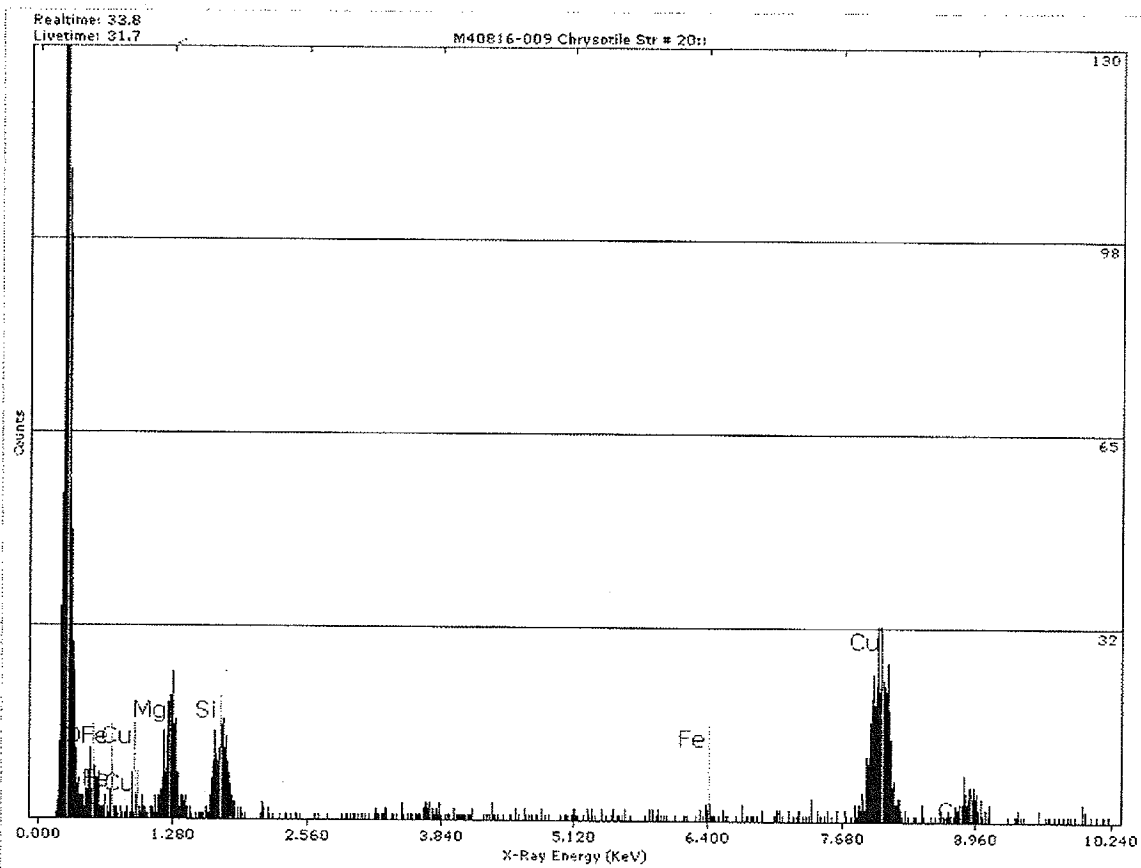


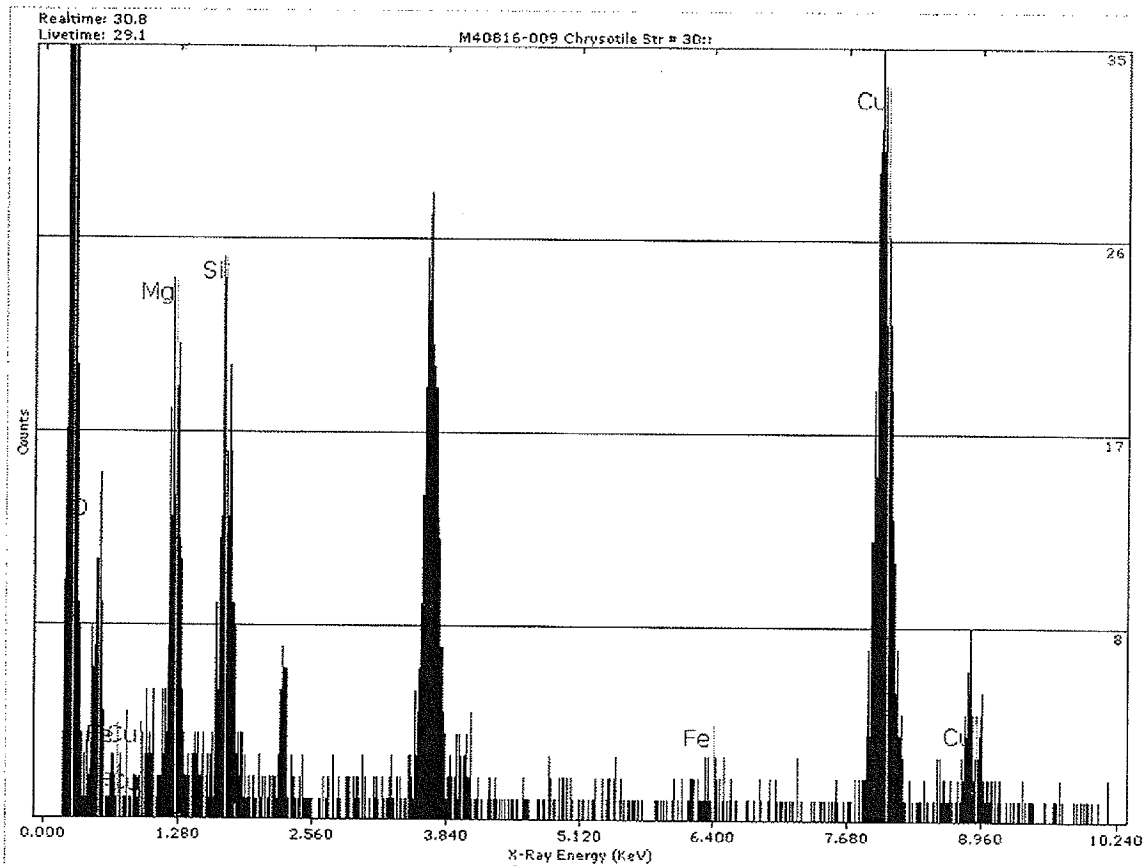


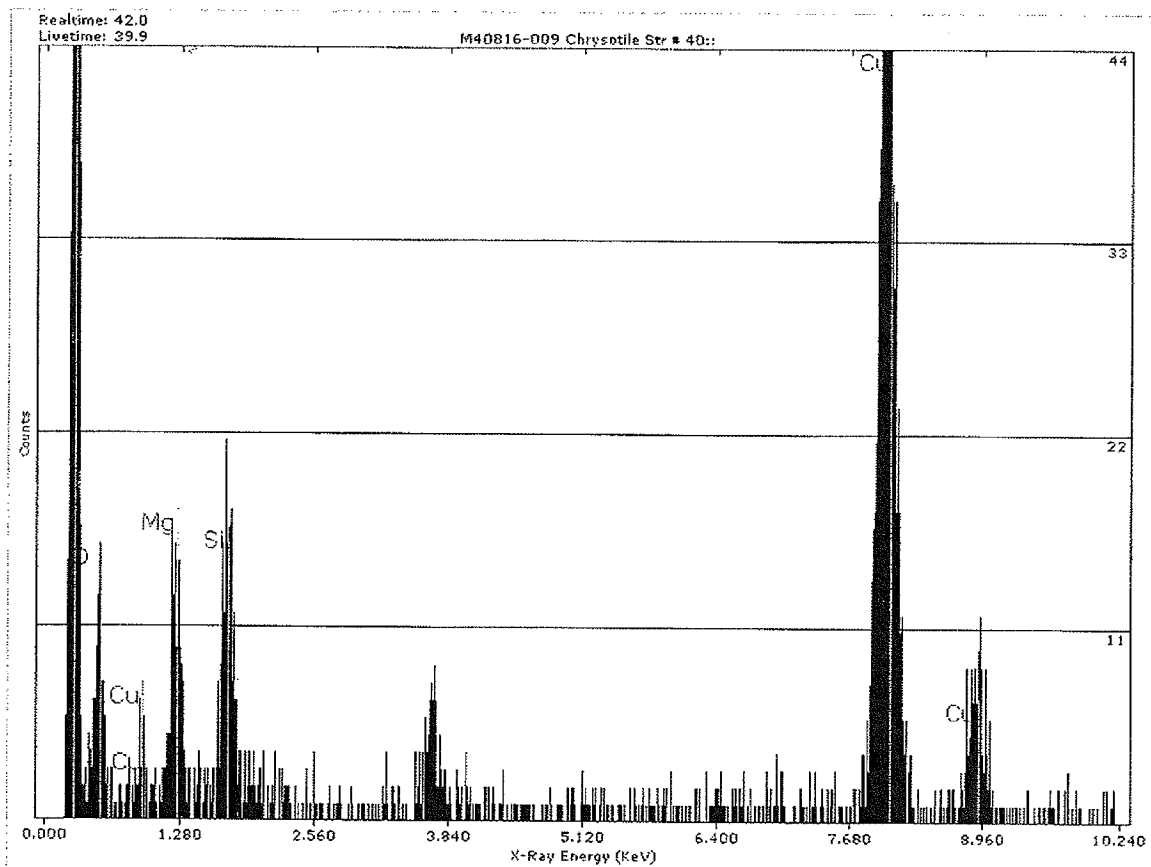












MAS TEM ANALYSIS**M40816 - 010**

Client Name: Dies and Hile, LLP

Client Sample ID: 10

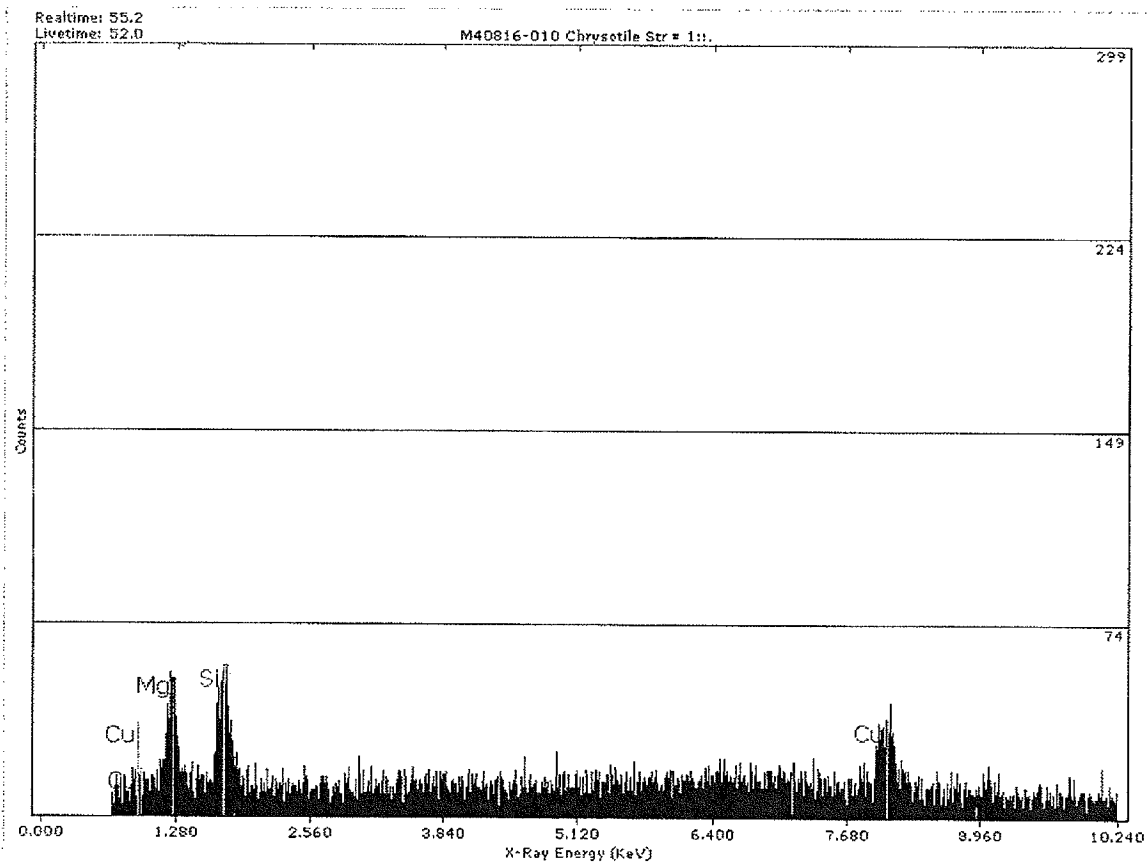
Sample Area/ Volume:	7.5	Liters	Date Analyzed:	10/18/2006	
Filter Type:	MCE 25mm		Analyst:	MAM	
Pore size:	0.8		Scope Number:	4	
Effective Filter Area:	385		Accelerating Voltage:	100	KV
Sample type:	Air		Indicated Mag:	25	KX
Analysis type:	AHERA Style		Screen Mag:	20	KX
Grid Acceptance	YES	20 %	Grid_box:	7194, 7195, 7187	
Grid Status	Analyzed				

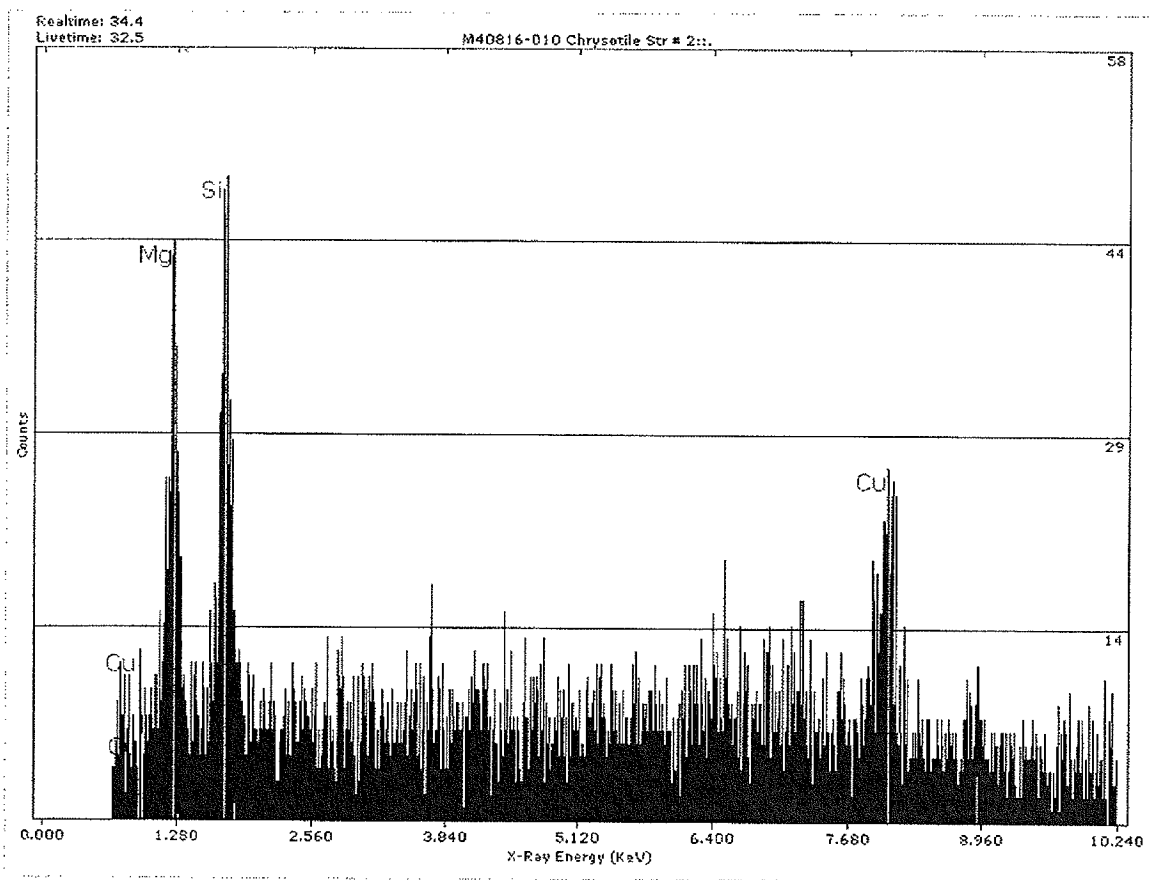
Str 0.5 < 5:	14		Number of grids:	2	#1:	101	#3:	102
Str ≥ 5:	2		Number of openings:	10	#2:	102	#4:	101
Total str:	16		Average Grid Size:	0.010302	Total Area Analyzed:	0.103		
Str_cc>5:	0.9966	/cc	Detect mm:	9.7	Detect_cc:	0.4983		
Str_mm>5:	19.4	/mm2	Total mm2:	155.3	Total cc:	7.9726		
Chrysotile:	7.9726	/cc						
Amphibole:	0.0000	/cc						

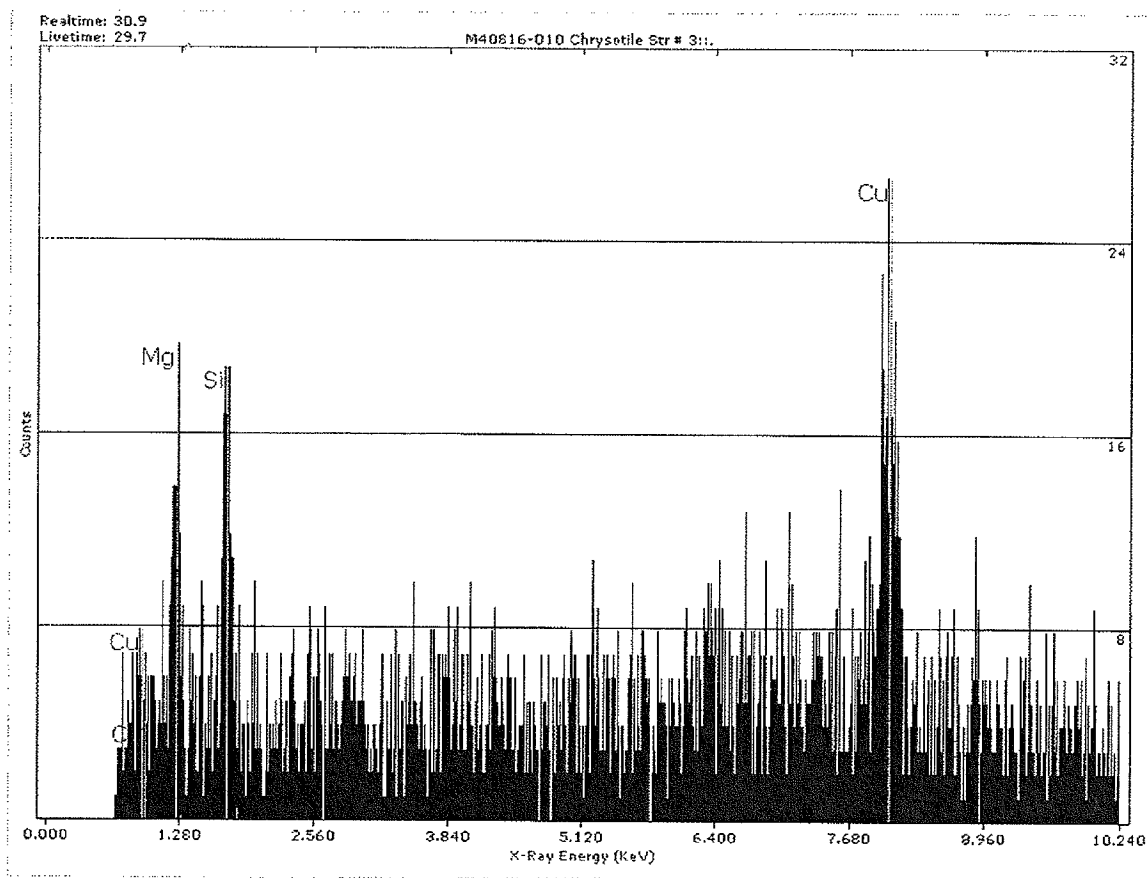
Str#:	SquareID:	Type:	Structure:	Length	<5	Width	>=5	Morph:	SAED:	EDS:	Photo:	Sketch:
1	B6-F9	C	M-F	2	X	0.05		Chrysotile	Chrysotile	<input checked="" type="checkbox"/>		
2	B7	C	M-F	2.3	X	0.1		Chrysotile	Chrysotile	<input checked="" type="checkbox"/>		
3	E4	C	M-F	2.9	X	0.1		Chrysotile	Chrysotile	<input checked="" type="checkbox"/>		
4	G5	C	M-F	3.5	X	0.1		Chrysotile	Chrysotile	<input checked="" type="checkbox"/>		
5		C	M-F	3.4	X	0.1		Chrysotile	Chrysotile	<input checked="" type="checkbox"/>		
6		C	M-F	0.7	X	0.1		Chrysotile	Chrysotile	<input checked="" type="checkbox"/>		
7	I9	C	F	4	X	0.1		Chrysotile	Chrysotile	<input checked="" type="checkbox"/>		
8		C	M-F	2.5	X	0.05		Chrysotile	Chrysotile	<input checked="" type="checkbox"/>		
9	B7-A4	C	M-B	4.6	X	0.2		Chrysotile	Chrysotile	<input checked="" type="checkbox"/>		
10		C	M-B	11		0.6	X	Chrysotile	Chrysotile	<input checked="" type="checkbox"/>		
11		C	M-F	2.4	X	0.1		Chrysotile		<input type="checkbox"/>		
12	B2	C	M-F	2.2	X	0.1		Chrysotile		<input type="checkbox"/>		
13	G5	C	F	2	X	0.1		Chrysotile		<input type="checkbox"/>		
14	J4	C	F	3	X	0.1		Chrysotile		<input type="checkbox"/>		
15		C	M-F	1.3	X	0.1		Chrysotile		<input type="checkbox"/>		
16	D8	C	M-B	5.4		0.6	X	Chrysotile		<input type="checkbox"/>		

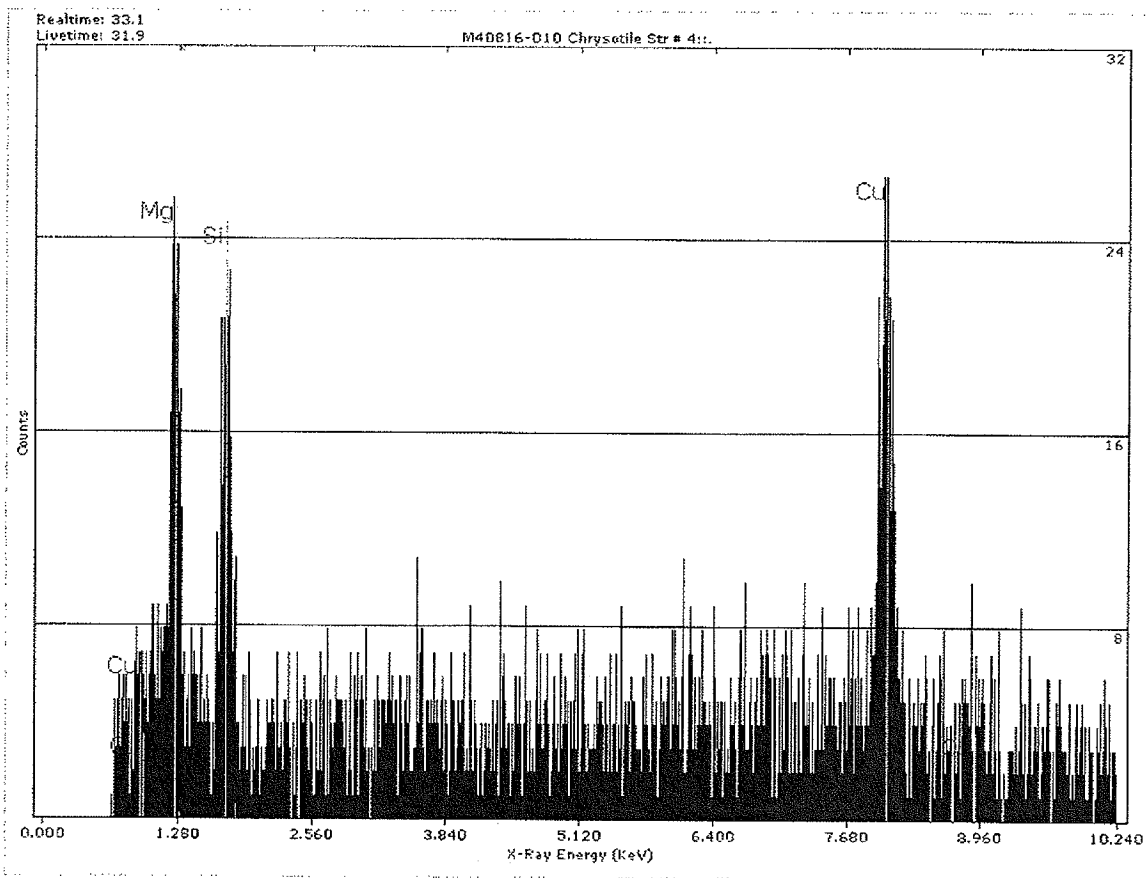
M40816 010 Sample Comments:

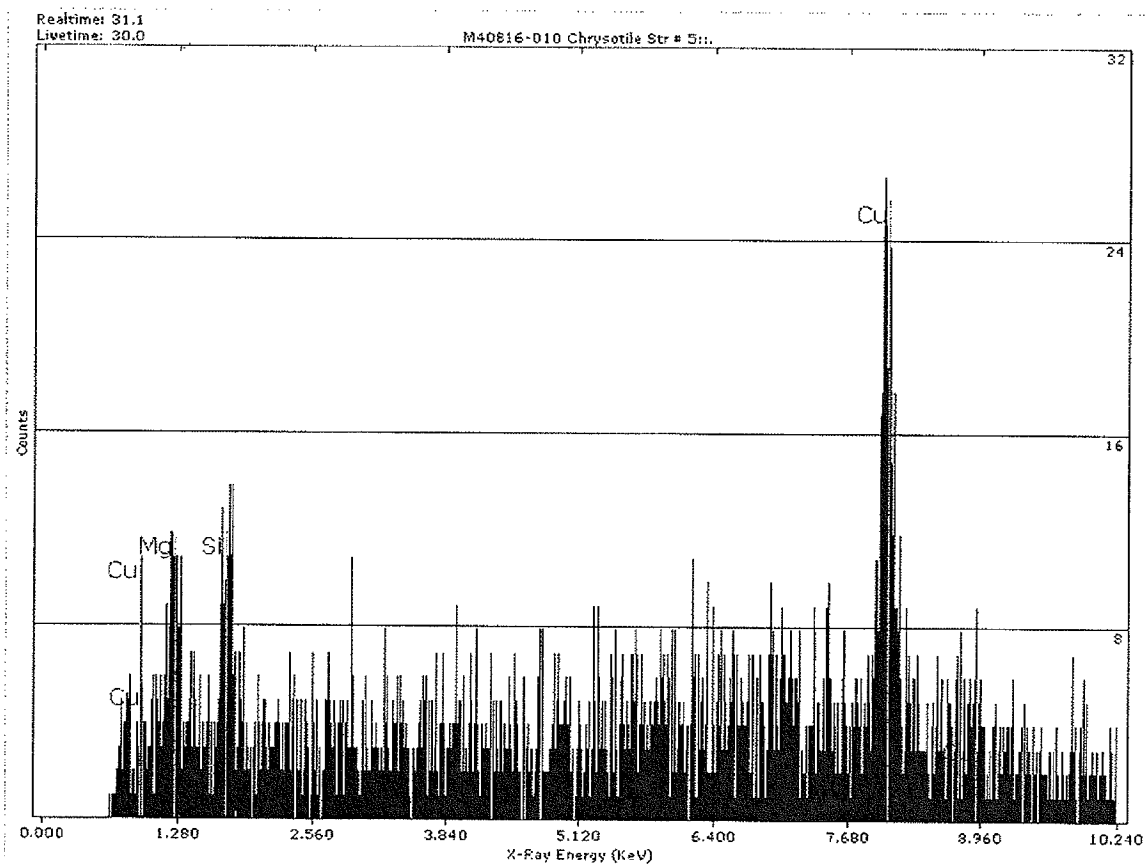
Trial III personnel RH right shoulder

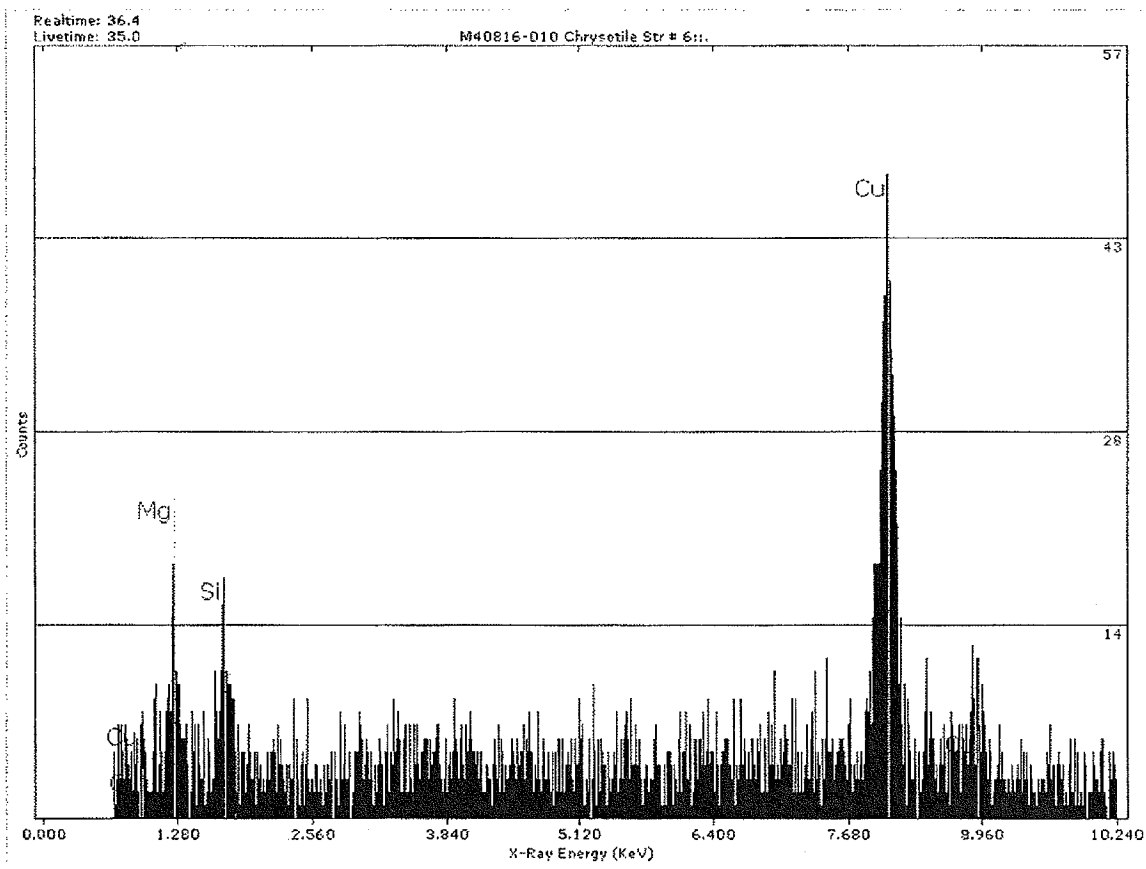


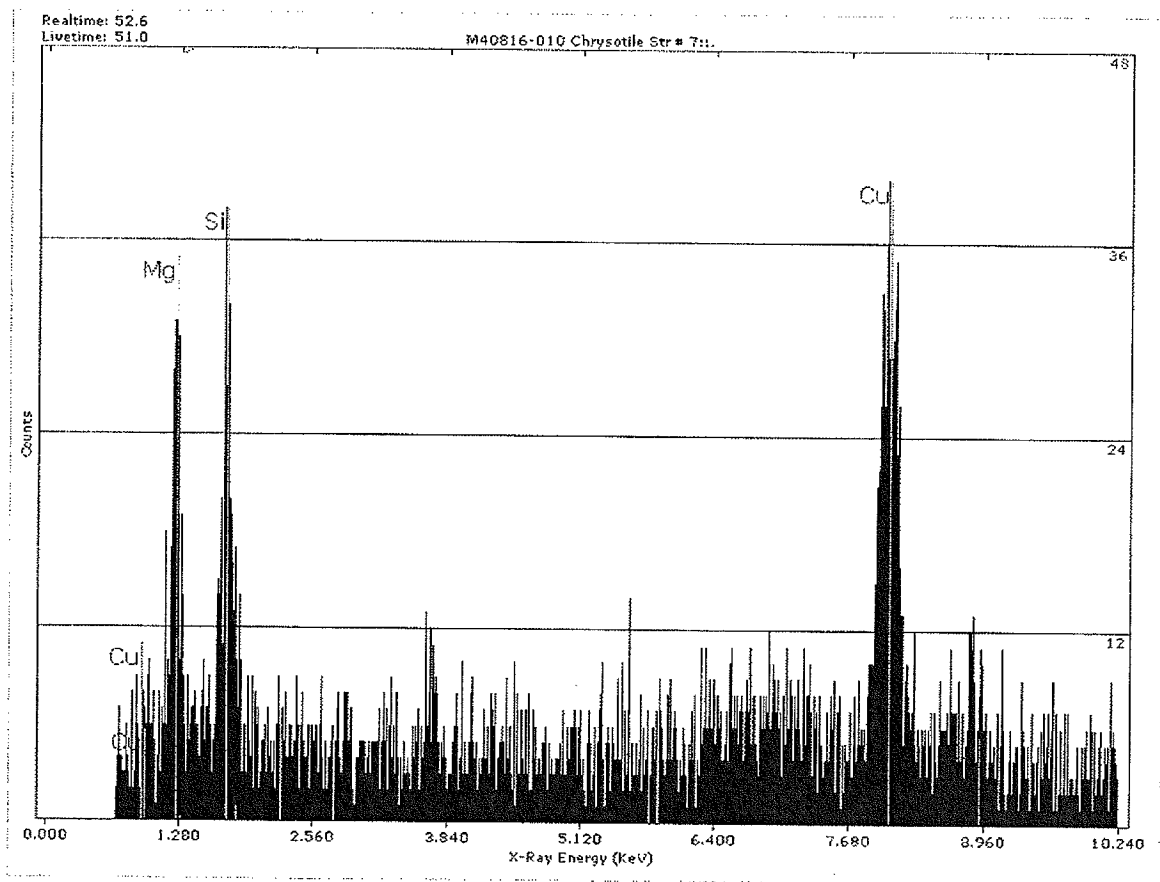


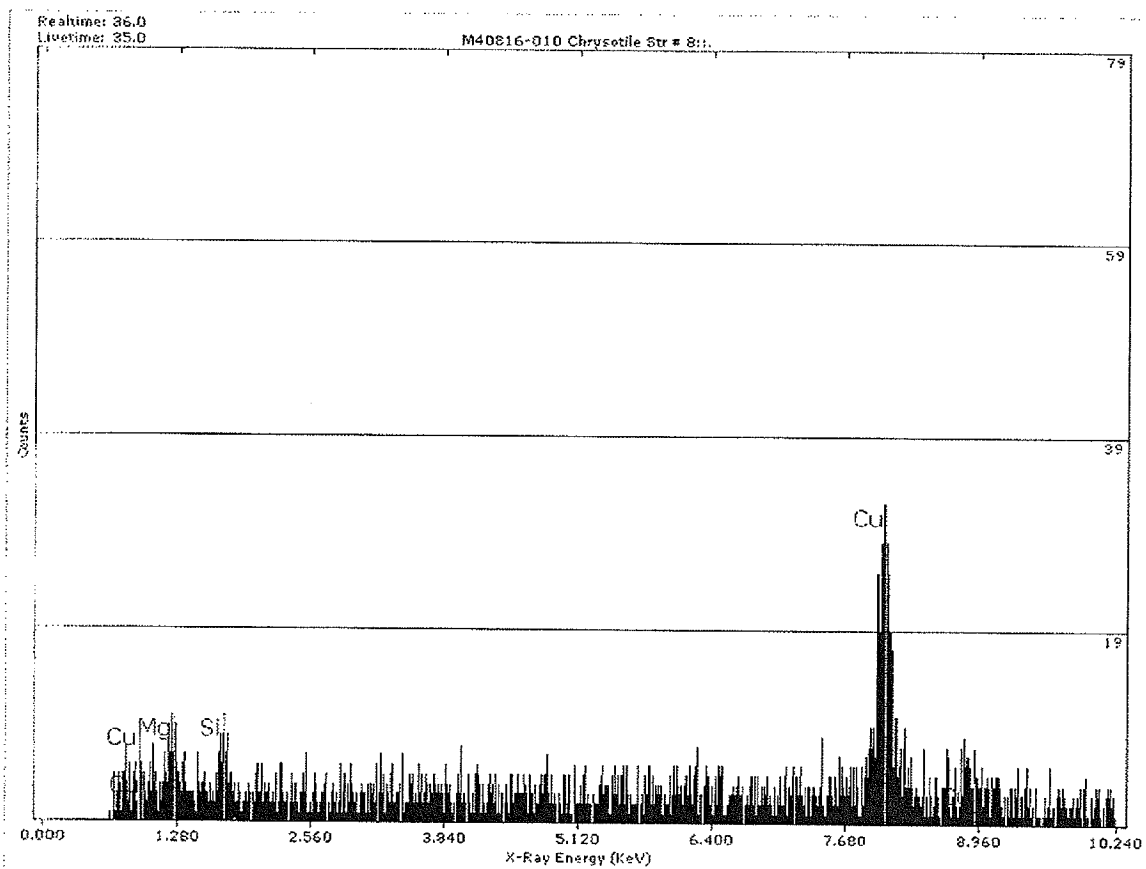


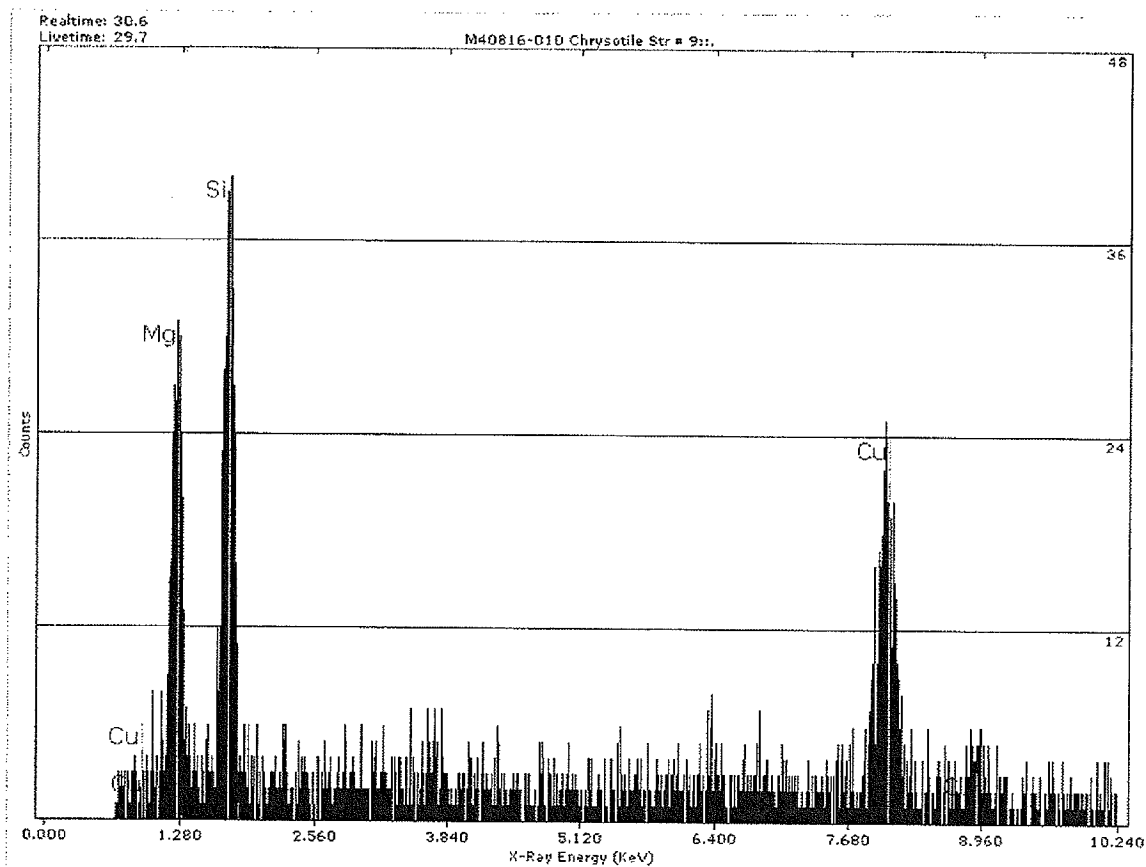


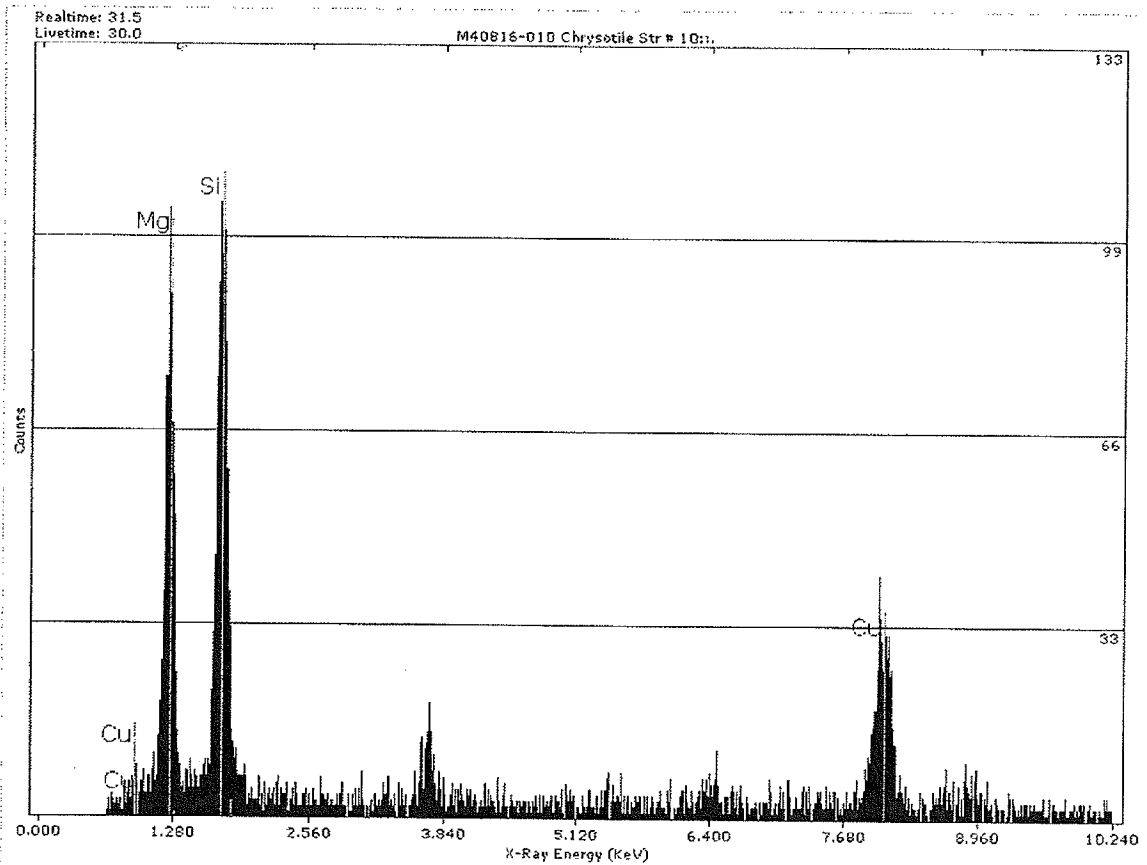












[Trial III personnel MB left shoulder

